FOSTER WHEELER ENVIRONMENTAL CORPORATION

Mr. James Bartridge
Project Manager
California Energy Commission
1516 Ninth St.
MS-3000
Sacramento, CA. 95814

May 20, 2002

Attention: Dockets Unit

Re: Inland Empire Energy Center Project- Docket No. 01-AFC-017
Data Responses to CEC Staff Data Requests dated April 4, 2002

Dear Mr. Bartridge:

Enclosed are twenty-six (26) sets of the Data Responses (Submittals No. 5 and No. 6) for the Inland Empire Energy Center Project (original signed document and 25 copies). This data is submitted in response to the staff's written Data Requests dated April 4, 2002, and staff requests per the April 4, 2002 meeting with IEEC staff (Submittal No. 6-Response Supplement No. 1). Also included with this filing are the following:

- Five (5) CD's which contain the Cumulative Nitrogen Deposition modeling files in response to Data Request 169.
- Five (5) CD's which contain electronic versions of the color maps and photos contained in the ACOE Section 404 and RWQCB Section 401 applications.

Additionally, the CD's containing the electronic version of the submitted responses (5 copies) as requested by staff will be submitted under separate cover.

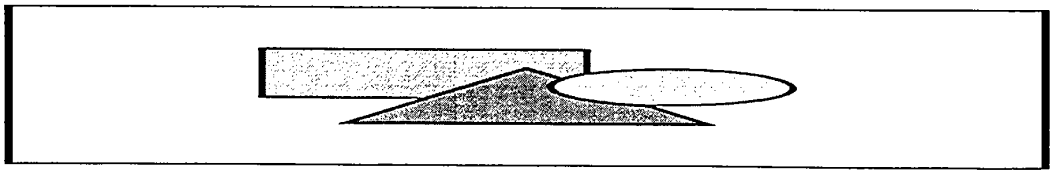
Dated this 20th day of May, 2002.

Sincerely,

Richard B. Booth
Project Manager

Attachments

1940 E. Deere Avenue, Suite 200, Santa Ana, CA 92705
Tel: 949-756-7500 Fax: 949-756-7560



BEFORE THE ENERGY RESOURCES CONSERVATION AND DEVELOPMENT COMMISSION OF THE STATE OF CALIFORNIA

	)	Docket No. 01-AFC-17
APPLICATION FOR CERTIFICATION	)	
FOR THE INLAND EMPIRE ENERGY	)	PROOF OF SERVICE
CENTER	)	(Revised 02/01/02)
_____	)	

I, **Richard B. Booth**, declare that on **May 20, 2002**, I served copies of the attached **Responses to California Energy Commission Staff's Data Requests 162-188, and Supplemental Responses to California Energy Commission Staff's Data Requests per the April 4, 2002 meeting** by Federal Express, for delivery to Sacramento, by depositing such envelope in a facility regularly maintained by Federal Express with delivery fees fully provided for or delivered the envelope to a courier or driver of Federal Express authorized to receive documents at Foster Wheeler Environmental Corp., 1940 East Deere Ave., Suite 200, Santa Ana, CA 92705 with delivery fees fully provided, for delivery to the following:

DOCKET UNIT

Original signed document plus 25 copies.

CALIFORNIA ENERGY COMMISSION
Attn: Docket No. 01-AFC-17
DOCKET UNIT, MS-4

1516 Ninth Street
Sacramento, CA 95814-5512

In addition to the documents sent to
the Commission Docket Unit:

I, **Richard B. Booth**, declare that on **May 20, 2002**, I deposited copies of the attached **Responses to California Energy Commission Staff's Data Requests 162-188, and Supplemental Responses to California Energy Commission Staff's Data Requests per the April 4, 2002 meeting** in the United States mail at Santa Ana, CA with first class postage thereon fully prepaid and addressed to the following:

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Perris, CA 92572-8300

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Gary Heath, Executive Director
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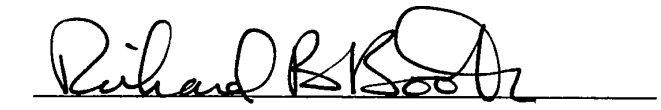
Sacramento, CA 95814

Paul Clanon, Director
Energy Division
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102

I declare under penalty of perjury that the foregoing is true and correct.



Richard B. Booth

* * * *

DATA RESPONSES 162 THROUGH 188

FOR

INLAND EMPIRE ENERGY CENTER

SUBMITTAL 5

Compiled by

FOSTER WHEELER ENVIRONMENTAL CORPORATION
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

May 17, 2002

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BIOLOGICAL RESOURCE RESPONSES

Request #162 – Please provide an estimate of when the wet-season survey results will be available.

Response #162 – Based upon discussions with USFWS (Carlsbad Office), the wet sampling period has been informally extended until June 2002. The applicant's branchiopod specialist is continuing to monitor the primary sampling sites (roadside manmade depressions) in order to take advantage of any potential wet season samples that meet the protocol requirements.

Request #163 – Please provide a copy of the wet-season survey results within ten business days after completion of the final survey.

Response #163 – Comment noted. A copy of the wet season sampling results will be provided to CEC staff within 10 business days after completion of the final survey. Table 163-1 presents preliminary results of wet-season sampling as of 4-25-02.

Request #164 – Please provide staff with the USACE and CDFG permit applications and supporting documents, as well as the proposed schedule for agency review.

Response #164 – A copy of the United States Army Corps of Engineers (USACE) Section 404 permit application is presented in Biological Resources Attachment 5. The USACE application will be submitted on or about May 20, 2002. The USACE advised the applicant that this permit would follow a typical review schedule consistent with certification this year. The USACE has not advised the applicant of any aspects of the application review that would necessitate a non-standard review schedule.

The California Department of Fish and Game (CDFG) has indicated it will not require a streambed alteration agreement for the proposed IEEC. Based on the Department's 14 November 2001 correspondence from Ms. Yvonne Moore, and our pre-application meeting with Mr. Juan Hernandez (Chino Hills Office) on April 23, 2002, which included a project map and photo review, the Department believes that impacts to biological resources will be less than significant. CDFG's exemption letter is included as Biological Resources Attachment 6.

A copy of the State Regional Water Quality Control Board Section 401 permit application is also presented in Biological Resources Attachment 6. This application will be filed on or about May 20, 2002.

Request #165 – Please provide a description of construction measures and placement of structures that demonstrate avoidance of wetlands and defined bed and bank features consistent with the findings of the USACE field report and Figure B-2.

Response #165 – Prior to providing a description of construction measures and placement of structures that demonstrate avoidance of defined bed and bank features, and manmade roadside depressions that could provide potential habitat for fairy shrimp (*branchiopods*), the following background material is presented to provide CEC staff up-to-date status information for IEEC-project-related biological issues. This updated information is critical to this response and others that follow.

TABLE 163-1
Romoland Anostrocan Wet-season Preliminary Results

		DATES											
	Site #	11/30/2001	12/27/2001	1/11/2002	1/16/2002	1/24/2002	2/7/2002	2/21/2002	3/7/2002	3/20/2002	3/30/2002	4/10/2002	4/25/2002
STATUS	MW-048	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
	MW-051	dry	dry	dry	dry	dry	dry	dry	dry	innundated	dry	dry	dry
	BLO-1	dry/plowed	dry/plowed	dry/plowed	dry/plowed	dry/plowed	dry/plowed	dry/plowed	dry/plowed	dry/plowed	dry/plowed	dry/plowed	dry/plowed
	BLO-1a	innundated	innundated	innundated	innundated	innundated	innundated	1-3 cm H2O	innundated	innundated	innundated	1-5 cm H20	innundated
	BLO-2	1-2 cm H20	innundated	innundated	innundated	dry	innundated	innundated	dry	innundated	dry	dry	innundated

No fairy shrimp have been detected during any wet-season sampling as of 4/25/02.
The only invertebrates found thus far have occcurred at BLO1-a and include dragonfly and
damselfly naids, culicid and other dipteran larvae, unidentified aquatic snails and one notonectid instar found at BLO-2.
Site MW- 051(the only site that contained cysts during dry-season sampling) has been innundated for less than a 10 day period.
Site MW-051 was sampled on 3/20/02 ~ 5 days after initial innundation, which likely occurred on 3/15/02.
Site MW-051 was swept thoroughly on 3/20/02. No branchiopods or any other aquatic arthropods were found at this time.
Site MW-051 was dry (slightly damp mud) when the site was next sampled on 3/30/02.
Thus far, site MW-051 has not remained innundated long enough to initiate hatching of any of the branchiopod cysts
that were present during dry season sampling.

Preliminary site and linear surveys conducted in early 2001 identified six (6) potential wetland areas. Three of these areas lie to the east and southeast of the project site, while the remaining three (3) areas lie directly west of the project across the I-215 transportation corridor. These features are manmade depressions and topographically low areas along or adjacent to natural and artificial drainage features. They collected enough upland run off in June of 2001 that wetland indicator vegetation was present. These features are not actual jurisdictional wetlands because they have soils consistent with the surrounding upland areas. Initial wetland delineation conducted by biology staff in accordance with the USACE Wetlands Delineation Manual (1987) during June of 2001 and again in March of 2002 did not conclusively identify any of the preliminary areas as actual, jurisdictional wetlands. Due to a communication error, the mapping staff inadvertently continued to identify the six (6) preliminary areas as jurisdictional, seasonal wetlands.

There was confusion regarding the difference between seasonal wetlands (which meet the USACE jurisdictional criteria) and potential fairy shrimp habitat. Fairy shrimp habitat includes seasonal wetlands, but also includes manmade depressions as simple as a tire rut or roadside ditches. Five (5) of the above-referenced potential wetland areas were actually only potential fairy shrimp habitat, and that the habitat did not meet the USACE definition of a jurisdictional wetland. The concept of potential fairy shrimp habitat was confused, and artificially created potential fairy shrimp habitat features on project figures were incorrectly identified as seasonal wetlands.

The Applicant was unable to acquire "wet season" fairy shrimp samples, providing further credence to the non-jurisdictional status of the features. The inundation requirements for wet-season sampling were not being met after consecutive, notable rainfall events, and features appeared to be hydrologically isolated. After methodical examination of the 100 year flood plain maps for the San Jacinto River and further evaluation of the preliminary wetland data sheets, the soils were determined to be well drained Exeter sandy loams. These soils have chroma values too high to fall under the classic definition of hydric soils, and no mottles were observed. The Exeter sandy loam soil type is not listed as a hydric soil (USES 1991). Additionally, no vernal pools were observed, and no Domino-Traverse-Willows soil associations typical of vernal pools were discovered. After thorough soils analysis, and review of the USACE data sheets the potential for the required inundation seems highly unlikely. Data sheets from both the June 2001 and March 2002 are included as Biological Resources Attachment 7.

In March 2002, the six (6) preliminary areas, which had earlier been mischaracterized as jurisdictional seasonal wetlands, were re-evaluated. The data from this re-evaluation shows conclusively that none of the areas meet the criteria for "jurisdictional wetland" status. The original (June 2001) and most recent (March 2002) evaluation sheets are included in Biological Resources Attachment 7 for Commission Staff reference. Based on the above, and consultation with the USACE, Applicant has determined that there are presently no jurisdictional wetlands in the vicinity of the project site nor along the proposed linear facility routes. Biological Resource Figures A and B from AFC Appendix J-6 have been revised (see Biological Resources Attachment 8 and new Figures 165-A and 165-B), and they clearly delineate the lack of "jurisdictional wetlands" presence in the project area. In addition, Figure 165-1 (aerial) is provided to supplement the data presented on Figures 165-A and 165-B. Figure 165-2 is a schematic overview of the project linears.

Since no wetlands exist in the vicinity of the project site or proposed linear routes, the description of construction measures and placement of structures will be limited to the impacts on the defined bed and bank features which meet the requirements under Section 404 of the Clean Water Act for classification as USACE jurisdiction non-tidal "waters of the United States".

As delineated on Revised Biological Resources Figure 165-3 shows the proposed placement of the following linear features supporting the IEEC facility:

- New 500 kV transmission line.
- New gas line.
- Underground route of the existing aboveground 115 kV line.
- Relocation of SCE's existing 115 kV lines

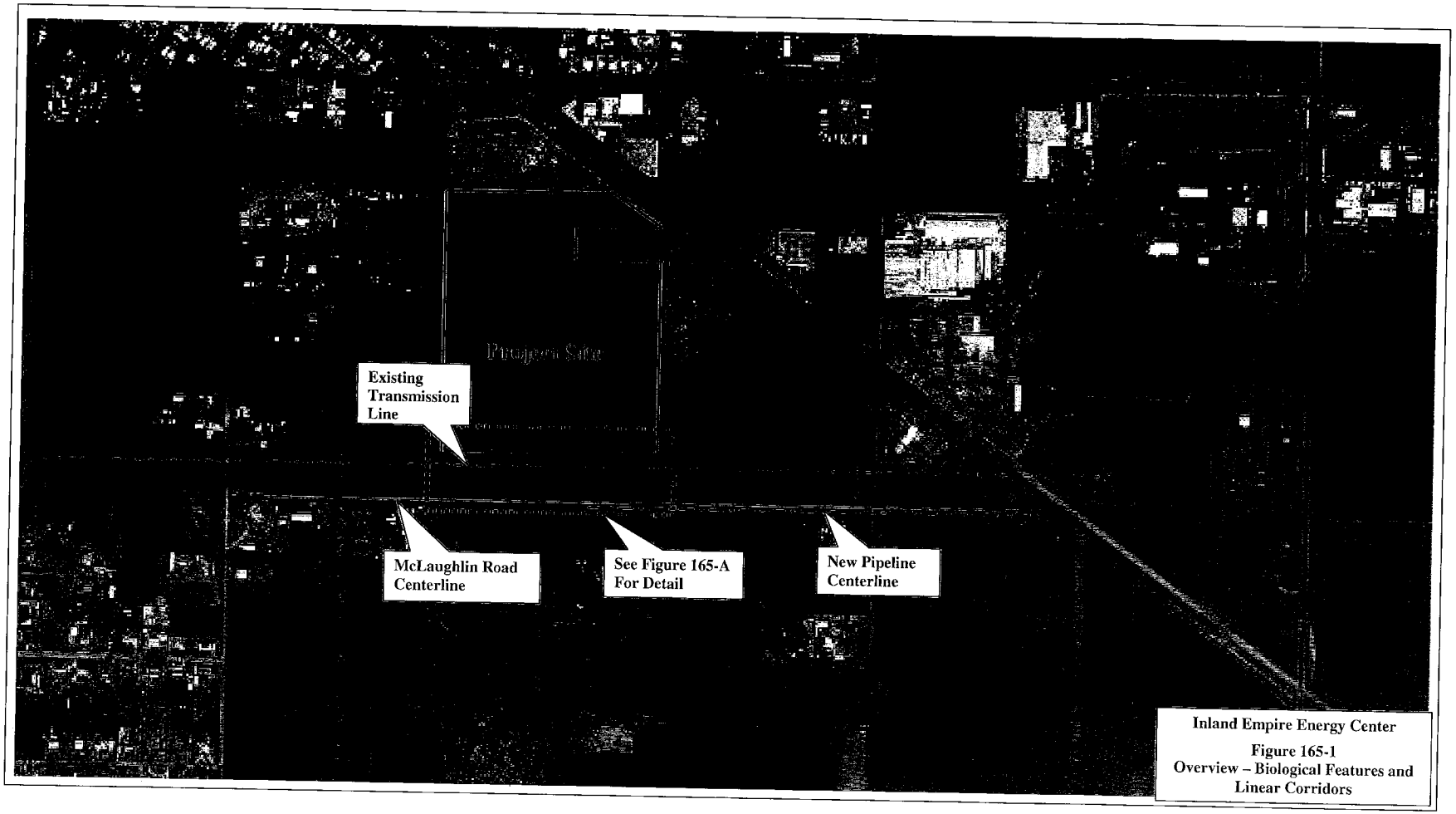
The proposed gas line will be installed on the south side of McLaughlin Rd. within a 75 ft wide ROW. This ROW lies adjacent to McLaughlin Rd. and would place the gas line (centerline) approximately 375 and 100 feet from potential fairy shrimp habitat created by roadside manmade depressions (sampling sites MW-048 and MW-051 respectively). See Figure 165-A for a map of the project area, water features and sampling locations. Figure 165-A1 is a large-scale map showing the features and construction disturbance areas. With proper pre-construction marking of the area, and daily biological construction monitoring, avoidance of potential fairy shrimp habitat within roadside manmade depressions at locations MW-048 and MW-051 is achievable. The presence of listed vernal pool fairy shrimp is not known within the project area, and dry season survey results indicated no threatened and endangered (T&E) vernal pool fairy shrimp were present. Additionally, no CDFG or USFWS records have ever documented T&E vernal pool fairy shrimp within the project area, and there are no known naturally occurring vernal pools within the project area.

Details regarding disturbance calculations are in Biological Resource Attachment 9.

The gas line will cross-identified USACE jurisdiction non-tidal "waters of the United States" bed and bank features W-4, W-1 and potentially feature W-2. (See Figure 165-3 and Biological Resources Attachment 8.) These features each have an average width of 2 and 5 feet respectively. The total temporary disturbance area would be less than or equal to 1,117 square feet (ft^2). Upon completion of the construction of the gas line, the features will be restored to their original slope and contour which will result in no permanent disturbance of the features at this location.

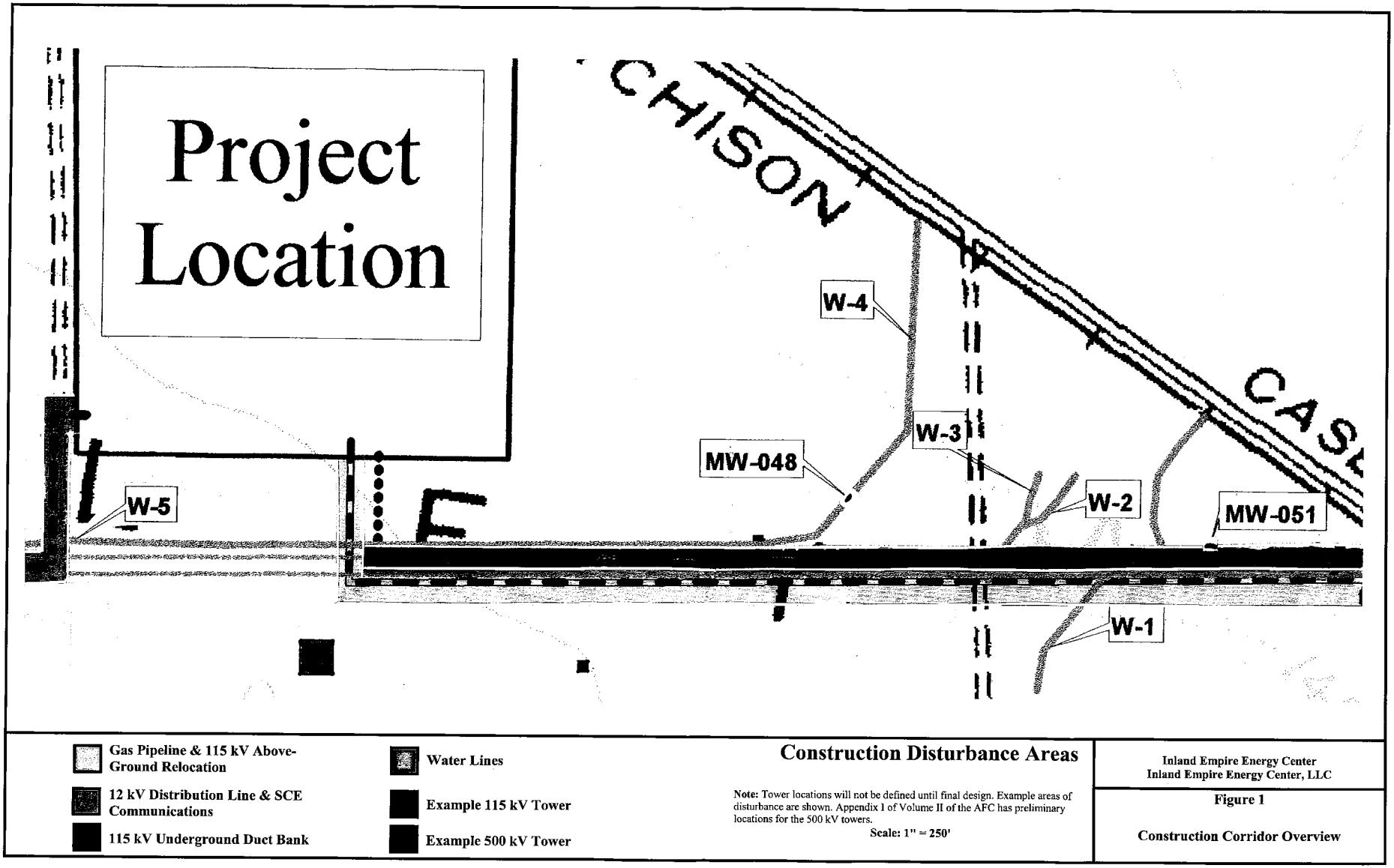
The new 500 kV transmission line will run parallel to the existing steel towers, but will lie just south of the existing towers within the existing SCE utility corridor. In order for the new 500 kV towers to be constructed, the existing wood pole 115 kV line will be relocated to either an underground route near the existing 115 kV lines or aboveground south of the McLaughlin road right of way. Based on discussions with SCE, new tower locations for the 500 kV transmission line will be adjacent to existing towers to insure that conductors do not touch during wind events.

For the new 500 kV transmission line, potential impacts to USACE jurisdiction non-tidal "waters of the United States" may occur to features W-1 through W-4, and disturbance calculations include four potential locations as a worst-case analysis. Maximum temporary



Inland Empire Energy Center

Figure 165-1
Overview – Biological Features and Linear Corridors


Project Location
CHISON
CASK
W-4
W-3
MW-048
W-5
W-2
MW-051
W-1
Gas Pipeline & 115 kV Above-Ground Relocation
12 kV Distribution Line & SCE Communications
115 kV Underground Duct Bank
Water Lines
Example 115 kV Tower
Example 500 kV Tower
Construction Disturbance Areas
Note: Tower locations will not be defined until final design. Example areas of disturbance are shown. Appendix I of Volume II of the AFC has preliminary locations for the 500 kV towers.
Scale: 1" = 250'
Inland Empire Energy Center
Inland Empire Energy Center, LLC
Figure 1
Construction Corridor Overview

disturbance areas would be approximately 10,000 ft^2 per 500 kV tower, with permanent disturbance areas of less than 141 ft^2 per 500 kV tower. Upon completion of the construction of the transmission line, the features will be restored to their original slope and contour which will result in insignificant disturbances of the features at these locations. In addition, placement of a new tower adjacent to the existing tower next to the railroad tracks east of the site would result in the new tower being away from sampling location MW-051, i.e., approximately 95 feet west of the sampling site. The tower locations will not be final until detailed design by SCE which may occur after Certification.

Relocation of the existing 115 kV line involves two (2) potential options as follows:

Option 1-Underground 115 kV Line Route

The underground route for the existing two 115 kV lines would be adjacent to the north side of McLaughlin Road with a construction corridor width of 75 feet. The underground route would cross USACE jurisdiction non-tidal "waters of the United States" bed and bank features W-1, W-2, and W-4. W-1, W-2, and W-4, which have average widths of 2, 5, and 5 feet respectively. The potential size of the temporary disturbance areas would be equal to or less than 1,492 ft^2 in total. Since the route will be underground, upon completion of the construction of the underground line, the features will be restored to their original slope and contour which will result in no permanent disturbance of the features at these locations. Presently, the underground 115 kV route will traverse fairy shrimp sampling site MW-051. The following measures will be taken to preserve this potential T&E fairy shrimp habitat.

- The area will be marked and surveyed by the site biologist prior to construction.
- The trenching in and adjacent to this area will be accomplished by hand.
- Top soil (top 24 inches) will be carefully removed and relocated temporarily for safe storage.
- Subsequent to construction of the underground line, trench material will be placed back in the trench in the reverse order from which it was removed.
- The top soil will then be place back in the surveyed area and recontoured to match the original pre-survey slopes and drainage pattern. Compaction of the top soil will be accomplished by hand methods.

The above-noted measures are best efforts to preserve any potential T&E and non-T&E fairy shrimp cysts.

Option 2 – Above-Ground 115 kV Route

The above ground route would lie on the south side of McLaughlin Rd and would consist of new poles constructed within a new ROW or easement defined by SCE. Features W-1 and possibly W-2 would be crossed by the new line. This route is in the same right of way as the natural gas pipeline. Temporary disturbance areas are included in that calculation. Permanent impacts would be less than 50 ft^2 in the worst-case if SCE's final design determined that the towers must be located in features W-1 and W-2. Under option 2, the new line would be constructed well south of sampling location MW-051, with McLaughlin Road serving as the primary construction corridor work area and access point for line construction. The following mitigation measures will be used to protect site MW-051 under option 2:

- The area will be marked and surveyed by the site biologist prior to construction.
- Construction staff will be properly briefed on the status of site MW-051.
- The project biologist will monitor line construction in the area of MW-051 to insure that construction work and access do not encroach into this area.

Figure 165-2 shows the alignment of the following linears:

- Potable water line.
- Sewer line.
- Reclaim water supply line.
- Non-reclaim waste water line.

Each of the above four lines will be constructed within the existing ROW of Antelope Rd. and each will cross through W-5, an USACE jurisdiction non-tidal "waters of the United States" defined bed and bank feature, at a point just north of the intersection of Antelope and McLaughlin Roads to the southwest of the project property. The construction corridor is within the Antelope Road ROW and is approximately 88 feet wide. The defined bed and bank feature at this location, W-5, averages 2 feet in width. The maximum potential area of temporary disturbance would be approximately 176 ft^2. Upon completion of the construction of the line connections, the feature will be restored to its original slope and contour which will result in no permanent disturbance of the feature at this location.

Request #166 – Provide a map of wetlands or other jurisdictional features in greater detail than that provided in the AFC that is compatible with the quantification of wetlands to one-tenth of an acre presented in the text.

Response #166 - As described in detail in Response #165, there is currently no jurisdictional wetlands identified within the immediate project impact area or near the linear facilities. Revised biological resource maps (Revised Figures 165-A, 165-A1, and 165-B, Biological Resources Attachment 8) indicate the extent of the identified jurisdictional bed and bank features in the immediate project area. These features are plotted on the revised figures from direct field surveys. The description of each feature, within the immediate project area is given in Table 166-1 below.

Table 166-1 Jurisdictional Feature Data

Feature ID	Average Width (Observed Width @ OHWM), feet	Description
W1	2 feet	Dry ephemeral drainage feature with disturbance and upland vegetation
W2	5 feet	Dry ephemeral drainage feature with disturbance and upland vegetation
W3	2 feet	Dry ephemeral drainage feature with disturbance and upland vegetation
W4	5 feet	Dry ephemeral drainage feature with disturbance and upland vegetation
W5	2 feet	Dry ephemeral drainage feature with disturbance and upland vegetation

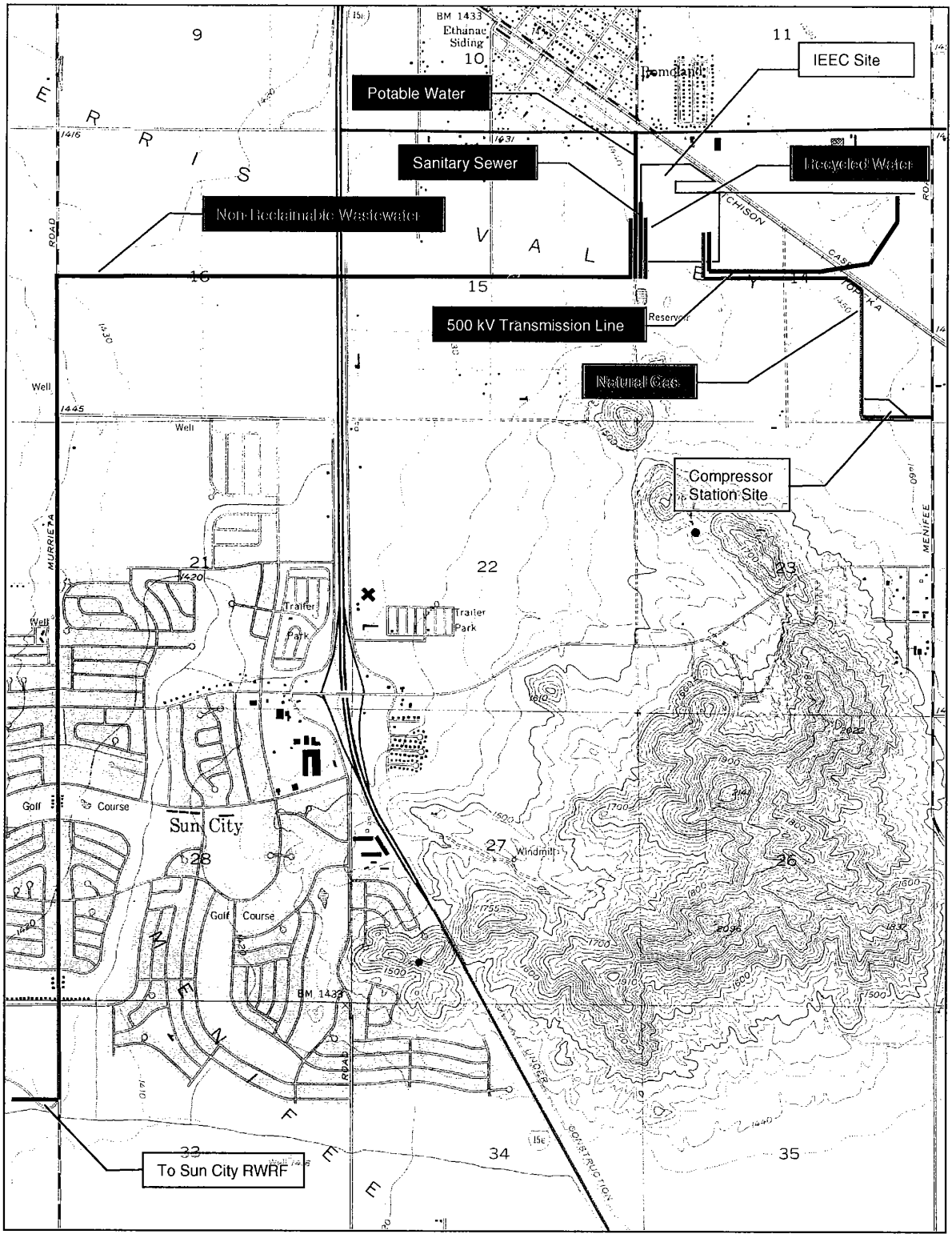


Figure 165-2 IEEC – Project Linears

Request #167 – Please submit a revised map and accompanying assessment that more accurately describes the space that will be occupied by the project footprint in relation to seasonal wetlands.

Response #167 - As noted in Responses #165 and #166, there are no jurisdictional wetlands within the immediate vicinity of the project site or linear features. Revised Figures 165-A, 165-A1, and 165-B (Biological Resources Attachment 8) shows the footprint of the project site and linear routes.

Request #168 – Please update Table 37-1 from Response #37, submitted on February 13, 2002, that replaced AFC Table 5.3-7, to reflect potential impacts to wetlands and waters of the U.S. in the proposed USACE permit application. Also, please include in the revision to Table 37-1, the gas line route and the electrical connection for the compressor station.

Response #168 - As noted in Responses #165 and #166, there are no jurisdictional wetlands within the immediate vicinity of the project site or linear features. Table 37-1 has been updated and revised to reflect potential impacts to waters of the U.S. as described in the USACE application (See Table 168-1). The revision includes both temporary and permanent potential impacts from all proposed linear features including the gas line, the electrical connection for the compressor station, and the potential under-grounding of the existing SCE 115 kV line.

Table 168-1. Inland Empire Energy Center - Line List of Affected Waters

Water ID Number	USGS Quad Name	Waters Type	Observed Width @ OHWM (feet)	Maximum Potential Acreage of Impact Temporary/ Permanent	Twp, Range, Section	Vegetation	Habitat Type	Latitude & Longitude (degrees, minutes, seconds)	Construction Method
W-1	Romoland	Ephemeral	2	GL–0.005/0.0 ET–0.016/0.003[1] UND–0.005/0.0 AG–0.003/0.001[2]	5 South, 3 West, 14	Hare barely, downy brome, black mustard, eucalyptus, and hairy-leaved sunflower	Upland disturbed	N 33, 44, 12 W 117, 9, 36.6	Trenching
W-2	Romoland	Ephemeral	5	GL–0.012/0.0 ET–0.016 / 0.003 UND–0.012/0.0 AG–0.006/0.001 DL–0.005/0.0	5 South, 3 West, 14	Russian thistle, black mustard, and hairy-leaved sunflower	Upland disturbed	N 33, 44, 11.6 W 117, 9, 39.5	Trenching
W-3	Romoland	Ephemeral	2	ET–0.016/0.003[1]	5 South, 3 West, 14	Black mustard, and hairy-leaved sunflower	Upland disturbed	N 33, 44, 11.1 W 117, 9, 41.2	Trenching
W-4	Romoland	Ephemeral	5	ET–0.049/0.009 UND–0.017/0.0 GL–0.009/0.0	5 South, 3 West, 14	Russian thistle, black mustard, cocklebur, eucalyptus, and hairy-leaved sunflower	Upland disturbed	N 33, 44, 11.2 W 117, 9, 49.4	Trenching
W-5	Romoland	Ephemeral	2	WWL–0.004 / 0.00	5 South, 3 West, 14	Black mustard	Upland disturbed	N 33, 44, 9.6 W 117, 10, 15.5	Trenching

AG = Relocating SCE's existing 115 kV lines south of McLaughlin Rd
DL = 12 kV distribution line and SCE comms.
ET = Electrical Transmission Tower
GL = Gas Line
OHWM = Ordinary high water mark
Twp = Township
UND =Undergrounding SCE's 115 kV line
WWL = Non-Reclaimable Waste Water Line

1 ET towers may cross W-1, W-2 or W-3, but not all three. Worst-case is assumed.

2 Impact area is greater than zero, but less than 0.001.

Note: The proposed potable water line, sanitary sewer line, and recycled water line, are included in the WWL impact calculations.

See Attachment 9 for disturbance calculation.

Request 169 – Please provide the nitrogen deposition ISCST3 modeling files for the cumulative impacts determination (see Response #40-Submittal No. 2, February 20, 2002).

Response 169 – The requested modeling files are being docketed with this filing.

Request #170 – The applicant should describe how the compressor station will be connected to the electrical grid and whether this connection would require additional distribution lines or poles. If distribution lines are needed, describe impacts to wildlife and protections against electrocution that will be installed.

Response #170 - See Response #41 in Applicant's Response Submittal #1 dated February 13, 2002. Southern California Edison (SCE) constructs distribution projects in the IEEC project area in accordance with *Standard Practices for Raptor Protection on Power Lines: The State of the Art in 1996,* by the Avian Power Line Interaction Committee, Edison Electric Institute, and the Raptor Research Foundation. (Personal Communication, Tracey Ashbrook, Technical Specialist/Scientist, SCE).

Request #171 – Please provide an estimated schedule for SCE's determination of the proposed size and configuration of the interconnection to the compressor station. The schedule should include the date on which the applicant will submit to staff the results of SCE's determination for the design and construction of the compressor station's electrical connection.

Response #171 – As described in data response #41, the compressor station site will be served by SCE's distribution system similarly to any other industrial customer. Approximately 12 weeks prior to the need for electrical service at the compressor station site, IEEC, LLC will complete a *Customer Project Form* including the site address, load schedule, panel size and specifications and a copy of the site plan. IEEC, LLC will develop this information during the detailed design phase for the compressor station. According to the project construction plan in the AFC (Table 3.7-2), IEEC would likely request service for the compressor station within approximately seven (7) months of construction of the IEEC project. At that point, detailed design of the compressor station would be complete, providing SCE with the information they require to complete the design of the distribution interconnection. SCE would then design and construct the distribution interconnection in accordance with their standard practice. (Personal Communication, Ed Griffin, Local Planner, SCE). SCE's design would be available approximately 2 months after the *Customer Project Form* is complete.

Request #172 – Please provide a detailed outline of the biological resources mitigation measures that will be proposed by the applicant for impacts to seasonal wetlands and, depending on the results of the wet season survey, potential vernal pool fairy shrimp habitat. These measures should be incorporated into the draft Biological Resources Mitigation Implementation and Monitoring Plan (BRMIMP).

Response #172 – As noted in Responses #165 and #166, there are no seasonal wetlands within the project site vicinity or adjacent to the project's proposed linear features. The Applicant has provided an outline of the BRMIMP in its response dated 2-13-02, to Request #42. The Applicant's proposed mitigation for potential impacts to threatened and endangered fairy shrimp species is as follows:

- Biological impacts to potential fairy shrimp habitat will be minimized to the maximum extent possible by siting facilities away from such sensitive habitats, within disturbed agricultural fields, adjacent to or within existing road or established utility rights-of-way (ROW).
- The Applicant will designate a project biologist to manage all biological resource conditions of certification with respect to potential fairy shrimp habitat.
- The Applicant will develop and implement and Employee Environmental Awareness Program to inform construction and operations staff about potential biological resources issues associated with the project generally and specifically with respect to potential fairy shrimp habitat.
- Should it be deemed appropriate in the Section 7 process, the Applicant will provide funds to purchase vernal pool habitat from a USFWS approved mitigation bank for project impacts associated with potential fairy shrimp habitat.
- The Applicant will comply with all conditions resulting from the Section 7 consultation with the USFWS.
- A biological assessment (BA) is currently being prepared which addresses T&E fairy shrimp issues. A copy will be provided to CEC staff subsequent to submittal to USFWS.

CULTURAL RESOURCE RESPONSES

Request #173 – For each of the three potentially eligible properties listed above, please discuss whether construction of the energy center would materially alter the surroundings (setting) to the point that the property's historical significance would no longer be conveyed; and, therefore, the property would no longer be eligible for the CRHR (cf. CEQA Guidelines Section 15064.5(b)(1) and (b)(2)).

Response #173 -

25626 Antelope Road (Residence)

This property is located approximately 1/3 mile from the IEEC. It will be visible from the backyard. In addition, the overall character of the properties in this area is reliant on the residential streetscape and because of the area's thick vegetation in line with the view toward the energy center, the property's architectural character and setting will not be impacted to the extent that its overall integrity would be compromised. The IEEC will not cause a substantial adverse change or its eligibility for the CRHR.

28050 Matthews Road (Residence) and 28380 Highway 74 (Store Address)

These properties are located directly across Highway 74 from the IEEC. An existing asphalt plant north of the IEEC site has begun an erosion of the rural character of the land surrounding the original Romoland development. The cumulative effect of two industrial facilities directly across the street from these properties will have an affect on the setting and association of these properties as part Romoland's history as an agricultural community; however, the overall architectural character will remain intact, and as such the IEEC will not cause a substantial adverse change or its eligibility for the CRHR.

Based on data acquired on May 8, 2002, the property located at 28380 Highway 74 (Mottes Farms Store-barn structure) does not meet the 45 year cultural-architectural resource criteria. This structure was built in 1985, and was designed and built to look like an old barn. Revised DPR 523A forms are included in Cultural Resources Attachment 5.

Request #174 – If impacts to any of the three potentially eligible properties would be significant because the change in setting would make the property no longer eligible, please provide a discussion of the applicant's recommended mitigation measures.

#174 – No further mitigation is required as there are no substantial adverse impacts to any of the listed properties.

LAND USE RESPONSES

Request #175 – Please explain whether the applicant has a legal parcel of land on which to build.

a. Explain the land division procedure used to create the present 46-acre parcel. If it consists of multiple legal parcels, please describe each parcel; and place them on a site map.

b. Provide a copy of the recorded final map, lot line adjustment map, or Certificate of Compliance for the parcel(s).

c. The power generation facility is to be contained on a 35-acre portion of the 46-acre property. Discuss whether the proposed power plant is to be constructed on a single legal parcel of land and the applicant's intentions regarding the remaining 11-acre portion.

Response #175 –

a. The property, APN # 331-180-08, consists of 10 legal parcels created by the parcel map of Romola Farms No. 6A as shown by map on file in Book 14, page(s) 63, 64, and 65 of maps, records of Riverside County, California. The exact legal description is:

The land is situated in the unincorporated area of the county of Riverside, State of California and is described as follows:

"LOTS 742, 743, 744, 745, 746, 749, 750, 751, 752, AND 753, EXCEPT THE SOUTH 132 FEET OF LOT 753 OF ROMOLA FARMS NO. 6A AS SHOWN BY MAP ON FILE IN BOOK 14 PAGE(S) 63, 64 AND 65 OF MAPS, RECORDS OF RIVERSIDE COUNTY, CALIFORNIA."

b. Please see the attached maps (Figures 175-1, 175-2, and 175-3 in Land Use Attachment 1) of Romola Farms 6A.

c. The legal parcels for the plant [approximately 35 acres] will be consolidated by a Lot Line Adjustment into a single legal parcel with APN # 331-180-08; the remaining approximately 11 acres will remain individual lots per the map of Romola Farms 6A, and will be given a new APN #.

Request #176 – Please provide the timing of the development of the various phases of the Menifee North Specific Plan.

Response #176 – The County of Riverside Planning Department maintains a database that tracks the status of planning activities for each Riverside County specific plan. The Internet address for the database is http://www.tlma.co.riverside.ca.us/planning/spsummary/spsummary.htm and tab 260 is the summary for the Menifee North Specific Plan. Table 176-1 below is a copy of the database as of May 2, 2002.

Table 176-1. Development Status in SP 260

Planning Area	Designation	Max d.u.'s in PA	Mapped DU's in PA	Projects	Lot #'s in project in PA	Built DU's in project in PA
2A	IND	0	0			0
2B	IND	0	0			0
3	IND	0	0			0
4	MED	76	56	TR29495	177-208; 266-289	0
5	MED	66	60	TR29495	215-265; 290-298	0
6	MED	91	74	TR29495	107-176; 211-214	0
7	BUS PARK	0	0			0
8	COMM	0	0			0
9	MED	106	106	TR29495	1-106	0
10	LOW	12	0			0
11	BUS PARK	0	0			0
12	BUS PARK	0	0			0
13	COMM	0	0			0
14	COMM	0	0			0
15	MED	32	0			0
16	COMM	0	0			0
17	BUS PARK	0	0			0
18	MED	31	0			0
19	BUS PARK	0	0			0
20	COM PARK	0	0			0
21	SCHOOL	0	0			0
22	MHR	56	0			0
23	COMM	0	0			0
24	MHR	110	0			0
25	MED	203	0			0
26	BUS PARK	0	0			0
27	COMM	0	0			0
28	BUS PARK	0	0			0
29	COMM	0	0			0
30	BUS PARK	0	0			0
31	COMM	0	0			0
31A	MU	0	0			0
32	MED	98	0			0
33	MHR	259	0			0

Table 176-1. Development Status in SP 260 (Continued)

Planning Area	Designation	Max d.u.'s in PA	Mapped DU's in PA	Projects	Lot #'s in project in PA	Built DU's in project in PA
34	MHR	339	339	TR28801	1-339	0
35	MED	85	0			0
36	OPEN	0	0			0
37	MED	93	0			0
38	COM PARK	0	0			0
39	SCHOOL	0	0			0
40	MED	272	227	TR28801	340-566	0
41	MED	120	0			0
42	SCHOOL	0	0			0
43	BUS PARK	0	0			0
44	BUS PARK	0	0			0
45	MED	262	0			0
46	MED	77	0			0
47	BUS PARK	0	0			0
Total		**2388**	**862**			**0**
				TR29262	in process	
				TR29905	in process	
				TR29326	in process	
				TR29328	in process	
				TR29327	in process	

Request #177 – Please provide the status of the tentative subdivision map(s) for the developments that are planned to occur south and southeast of the proposed IEEC project site.

Response #177 - The County of Riverside also maintains an online database of the status of cases including tracts at http://www.tlma.co.riverside.ca.us/inforesources/lmsplanning.html. To respond to this request, we referred to the database as well as personal communications with Chris Stamps, Planner, Riverside County Planning department.

Three developments are planned to the south and southeast of the IEEC site, the Ashby sites and the Menifee Valley Ranch. They are addressed below.

"Ashby Sites"

Tract 29777 is in planning now and going to the Land Development Committee soon. The surveys and a Mitigated Negative Declaration have been completed.

Tract 30161 was tentatively approved by the Planning Commission in April of this year. It requires Board approval of the zone change and General Plan Amendment.

"Menifee Valley Ranch"

This is a specific plan (SP301) and a Notice of Completion was issued on April 11, 2002. It will go to public hearings in a month or two.

Request #178 – Please provide an accurate, to-scale map of the project site and both existing and proposed (differentiated) linear facilities with respect to the Romoland School District's proposed schools. In addition, the map should provide buffer lines drawn (in shaded format) around the proposed site and linears based upon the following CDE Environmental School Site Selection Screening Criteria:

a. High voltage power transmission lines: [Cal Code Regs., tit 5, section 14010; p6 of the CDE Site Selection and Approval Guide, 2000]
    1. within 100 feet from the edge of an easement for a 50-133 kV line, if any.
    2. within 150 feet from the edge of an easement for a 220-230 kV line, if any.
    3. within 350 feet from the edge of an easement for 500-550 kV line, if any.

b. Railroads: [Cal Code Regs., tit 5, section 14010; p.10 of the CDE Site Selection and Approval Guide, 2000]
    1. within 1500 feet of railroad track easement, if any. If yes to item 4b., label whether the track is a main line or spur; and label any high-pressure gas lines near the tracks that could rupture in the event of a derailment.

c. Hazardous Disposal Sites: [Ed Code, section 17213(a)(1)-(3); Health and Safety Code, section 25220; p.7 of CDE Site Selection and Approval Guide, 2000]
    1. within 1500 feet of an easement of an above ground or underground pipeline which carries hazardous substances, materials, or waste (natural gas supply to school or neighborhood excluded) that can pose a safety hazard by a Risk Analysis Study.

d. High-Pressure Water Pipelines, Reservoirs, Water Storage Tanks: [p.11 of the CDE Site Selection and Approval Guide, 2000]
    1. within 1500 feet of the easement of an above-ground or underground water pipeline, reservoir or water storage tank.

Response #178 – Applicant submitted a data request to the Romoland School District on April 22, 2002. The objective of our request is to assess the status of the potential school sites presented by the District at the February 26, 2002 workshop and obtain information necessary to analyze the potential project impacts. Preliminary data provided by the District is presented in Land Use Attachment 2. The Applicant will compile a detailed response based upon this data and data forthcoming from the District for submittal to CEC staff.

SOCIOECONOMIC RESPONSES

Request #179 – Please provide the existing student capacities of the two schools that make up the Romoland School District and the six schools that make up the Perris Union High School District. Additionally please provide any known plans for new schools or expansions that either District may be considering, as well as any enrollment projections that either Districts may have developed.

Response #179 – See Response #178 and data provided in Land Use Attachment 2.

BIOLOGICAL RESOURCE ATTACHMENT 5

USACE 404 APPLICATION
AND
CRWQCB 401 APPLICATION

CALPINE

4160 Dublin Blvd.
Dublin, Ca. 94568
925-479-6600
925-479-7307 (FAX)

May 17, 2002

Mr. Robert Smith
U.S. Army Corps of Engineers
Los Angeles District
911 Wilshire Boulevard, 11th Floor
Los Angeles, CA 90017

SUBJECT: Inland Empire Energy Center – Request for Nationwide Permit No. 12

Dear Mr. Smith:

Inland Empire Energy Center, LLC, a wholly owned subsidiary of Calpine Corporation, is proposing to construct a 670-megawatt (MW) power plant in an unincorporated portion of Riverside County, California (see Attachment I for regional project location). More specifically, the proposed Inland Empire Energy Center (IEEC) power plant project will be located on an approximately 46-acre parcel in Section 14, Township 5 South, Range 3 West near the unincorporated community of Romoland, Riverside County (see Attachment II for location of proposed project facilities). The proposed project will add much needed reliability to a control area subject to peak capacity losses and load shedding. IEEC also will reduce real and reactive system losses, improve area transmission voltage levels, and greatly improve the reactive margin in the area. Construction of the proposed project is expected to begin in early 2003, and end approximately the first quarter of the year 2005 (thus lasting about 24 months total).

Inland Empire Energy Center, LLC is requesting that the proposed project be approved under Nationwide Permit No. 12 (Utility Line Activities) under the Clean Water Act. The proposed project would not result in the permanent loss of any wetlands under the jurisdiction of the U.S. Army Corps of Engineers (Corps). More specifically, no permanent above-grade fills (including access roads and ancillary facilities) would be constructed within any jurisdictional wetlands.

It is estimated, however, that a total of approximately 0.145 acres of temporary surface disturbance would occur within jurisdictional waters as a result of construction activities (i.e., trenching of pipeline facilities). Furthermore, it is estimated that a total of approximately 0.014 acres of jurisdictional waters would be permanently affected (i.e., net loss) as a result of the installation of tower foundations associated with the construction of the proposed new electrical transmission line and relocation of existing lines (see Attachment II).

The duration of the sidecasting of trenched material (i.e., soil) would be minimized, and appropriate erosion control measures would be employed during project construction to ensure that impacts associated with potential sedimentation are minimized. The topography within jurisdictional waters temporarily affected would be restored to pre-construction conditions/elevations after construction is complete. Finally, no off-site fill material would be placed within any jurisdictional water or wetland.

A detailed discussion regarding the methods used for estimating impacts to jurisdictional waters is included in Section 5 of the Jurisdictional Delineation Report included herein as Attachment IV. It also includes a line list that describes, among other things, each affected water. This line list is further keyed to the Water Crossing Map that is included in Appendix A to the Jurisdictional Delineation Report. More specifically, the "Water ID Number" assigned to each respective feature (i.e., W-1 through W-5) in the first column of the line list corresponds to the same number labeled on the Water Crossing Map. The line list characterizes each jurisdictional water and wetland crossing, and includes, among other things, the name of the feature (if applicable); milepost location; width of the feature; acreage impacted; legal description; vegetation composition; and proposed construction method across each jurisdictional feature.

It should be noted that estimated impacts to jurisdictional waters are worst-case and conservative estimates, and will likely be less than reported herein. It should also be noted that the potable water, sanitary sewer, recycled water, and non-reclaimable wastetwater pipelines will all affect Water I.D. No. 5 within the same construction corridor that equates to the existing 88-foot-wide Antelope Road right-of-way. Thus, the estimates reported below (i.e., 0.004 acres) under "Project Description" regarding estimated acreage of disturbance to jurisdictional waters (i.e., Water I.D. No. 5) within the Antelope Road right-of-way is inclusive of all four of the above-referenced pipeline facilities.

The location of all jurisdictional waters in relation to project facilities is included as Appendix A to the enclosed Jurisdictional Delineation Report. Table 1 of the Jurisdictional Delineation Report provides the estimated amount of disturbance, both temporary and permanent, to waters of the U.S. for each respective project-related facility. The width of jurisdictional features was verified by qualified biologists through field reconnaissance and the use of aerial imagery.

The following materials are enclosed for your reference as part of this application for a Section 404 Nationwide Permit No. 12:

- Regional Location Map (Attachment I)
- Project Facilities Map (Attachment II)
- Photographs of Waters of the U.S. keyed to Water Crossing Map (Attachment III)
- Jurisdictional Delineation Report (Attachment IV)
- Biological Resources – Summary of Findings for Special Status Species (Attachment V)
- Exemption letter from the California Department of Fish and Game (CDFG) (Attachment VI)

In August 2001, Inland Empire Energy Center, LLC filed an Application for Certification (AFC) with the California Energy Commission (CEC). The AFC has been prepared to address requirements under the California Environmental Quality Act (CEQA). The CEC is acting as the lead agency for purposes of CEQA compliance.[1] The CEC is currently reviewing the AFC, and

[1] The environmental review component of the CEC's project review process has been deemed the functional equivalent of the CEQA review process. (CEQA Guidelines Section 15251(k)).

public workshops have been held – and will continue to be conducted as needed – to address resource-specific issues identified by CEC staff. Inland Empire Energy Center, LLC expects that IEEC will be certified no later than December 2002.

Project Description

IEEC Site

Approximately 35 acres are required to accommodate the power plant and associated facilities, including the parking area, administration building, control building, water treatment building, storage tanks, generation facilities, emission control equipment, and site switch yard. The proposed project will convert approximately 35 acres of the approximately 46-acre project site from agricultural land to industrial uses. Applicant does not have final plans for use of the remaining 11 acres. The IEEC project site itself (i.e., 46-acre site area) will not affect any jurisdictional waters or wetlands.

Electrical Transmission Line Upgrade

The proposed project will be connected to the existing Southern California Edison (SCE) transmission system at SCE's existing Valley Substation located approximately 0.9 miles east of the project site. A new, approximately 0.9-mile long, 500 kilovolt (kV) transmission line will be constructed to connect the proposed project switchyard to the existing SCE Valley substation. The interconnection to the SCE transmission system will be at an on-site switchyard. The proposed 500 kV transmission line will be located within an existing SCE power line easement. Installation of the transmission line will utilize existing access roads, some of which are currently used to maintain SCE's existing transmission lines. Therefore, no new access roads, permanent or temporary, would be required to construct or maintain the proposed 500 kV line.

Spacing of the new towers associated with the proposed 500 kV transmission line upgrade will provide the required separation distance between new conductors and existing transmission lines and nearby roads and railroads. Foundations for each transmission line tower will consist of four 4-foot-diameter concrete piers reinforced to withstand design loads. Foundation piers are constructed by augering a hole of appropriate diameter and depth, placement of a cage of reinforcing steel in the augered hole, and filling the hole with high-strength concrete to the appropriate elevation. It is estimated that a maximum of 50 square feet of concrete per tower would be discharged into Water I.D. Nos. 1 through 4. No anchor guys would be utilized to support the proposed steel lattice structures.

Based on design criteria for 500 kV electrical transmission line systems, it is estimated that the proposed 500 kV transmission line upgrade would result in approximately 0.065 acres of temporary disturbance, and a total of approximately 0.013 acres of permanent loss of waters of the U.S. (resulting from installation of the transmission line tower foundations). The transmission line will not affect any jurisdictional wetlands.

Natural Gas Supply Pipeline

Inland Empire Energy Center, LLC proposes to construct a 0.9-mile long buried natural gas pipeline that would supply natural gas to the proposed power plant site. The proposed 20-inch diameter natural gas supply pipeline would be buried within a trench to allow for minimum

cover of 6 feet. The temporary construction corridor would measure approximately 75 feet in width, 30 feet of which Inland Empire Energy Center, LLC proposes retain as a permanent easement for operation and maintenance purposes.

As described in Table 1 of the Jurisdictional Delineation Report, installation of the proposed natural gas supply pipeline will result in approximately 0.026 acres of temporary disturbance. Installation of the proposed natural gas supply pipeline will not permanently affect any jurisdictional waters or wetlands.

Non-Reclaimable Wastewater Pipeline

Wastewater high in total dissolved solids (TDS) will be discharged to the Eastern Municipal Water District's (EMWD) existing non-reclaimable wastewater system via a new 12- to 18-inch diameter, 4.7-mile long, buried non-reclaimable wastewater pipeline. The pipeline will be constructed within unimproved rights-of-ways of Antelope Road and McLaughlin Road, and within the pavement of Murrieta Road. No temporary or permanent access roads will be required. The construction corridor for this facility would measure 88 feet in width (i.e., the total width of the existing Antelope Road right-of-way).

It is estimated that construction of the proposed non-reclaimable wastewater pipeline would result in approximately 0.004 acres of temporary disturbance to jurisdictional waters (calculation assumes the entire width of the existing Antelope Road right-of-way will be disturbed across Water I.D. No. 5). Installation of the non-reclaimable wastewater pipeline will not result in the permanent loss of any jurisdictional waters or wetlands.

Recycled Water Pipeline

The EMWD will deliver recycled water to the project via a new buried 0.1-mile long, 12 to 24-inch diameter recycled water pipeline interconnection within the Antelope Road right-of-way. The proposed pipeline interconnection will convey water from EMWD's existing 48-inch recycled water pipeline located in McLaughlin Road and generally southwest of the project site's southern boundary.

This particular facility would impact Water I.D. No. 5 within the same construction corridor as the non-reclaimable wastewater pipeline. Thus, the calculation of impacts to jurisdictional waters (i.e., 0.004 acres total/inclusive) for this facility is included as part of the calculation for the non-reclaimable wastewater pipeline. Installation of the recycled water pipeline will not result in the permanent loss of any jurisdictional waters or wetlands.

Potable Water Pipeline

Inland Empire Energy Center, LLC proposes to construct a buried 0.5-mile long potable water supply pipeline that will supply potable water to the project that meets regulatory standards for safe drinking water. The new potable water supply pipeline will be constructed within the existing Antelope Road right-of-way and will connect to an existing EMWD potable water lines located north and south of the project site.

This pipeline facility would cross Water I.D. No. 5 within the same construction corridor as the non-reclaimable wastewater pipeline. Thus, the calculation of impacts to jurisdictional waters (i.e., 0.004 acres total/inclusive) for this facility is included as part of the calculation for the non-

reclaimable wastewater pipeline. Installation of the potable water pipeline will not result in the permanent loss of any jurisdictional waters or wetlands.

Sanitary Sewer Pipeline

As part of the proposed project, Inland Empire Energy Center, LLC plans to construct an approximately 0.2-mile long sanitary sewer pipeline interconnection within the existing right-of-way of Antelope Road. This system will collect wastewater from sinks, toilets, showers, other sanitary facilities, and backwash wastewater from the microfiltration system. The new sanitary sewer pipeline interconnection will connect to and convey water from an existing EMWD pipeline located south of the project site.

This facility too would impact Water I.D. No. 5 within the construction corridor of the non-reclaimable wastewater pipeline. Thus, the calculation of impacts to jurisdictional waters (i.e., 0.004 acres total/inclusive) for this facility is included as part of the calculation for the non-reclaimable wastewater pipeline. Installation of the proposed sanitary sewer pipeline will not result in the permanent loss of any jurisdictional waters or wetlands.

Relocating SCE's Existing Electrical Lines

As part of the proposed project, Inland Empire Energy Center, LLC will relocate the existing double circuit 115 kV electrical lines and the 12 kV distribution and SCE communications lines.

Alternative 1 is to remove SCE's existing 115 kV aboveground transmission lines that parallel the north side of McLaughlin Road; and bury these lines immediately south of their existing alignment. (See Figure 1 showing the location of new 115 kV duct banks.) The undergrounding of SCE's existing 115 kV electrical transmission lines would require a construction corridor of approximately 75 feet wide. Thus, this activity would result in the temporary of disturbance approximately 0.034 acres of jurisdictional waters. This particular activity would not result in the permanent loss of any jurisdictional waters or wetlands.

The proposed project also would include the burying of an existing 12 kV subtransmission line and SCE communications line that is currently located along SCE's existing 115 kV alignment. SCE's existing 12 kV line would be relocated and buried along the south side of the McLaughlin Road right-of-way in a 30-foot wide construction corridor. This activity would result in the temporary disturbance of approximately 0.007 acres of jurisdictional waters. There would be no permanent loss of any jurisdictional waters or wetlands as a result of relocating and burying SCE's existing 12 kV subtransmission line.

Alternative 2 is to relocate the existing aboveground SCE 115 kV transmissions lines to aboveground lines in the right of way south of McLaughlin Road in the same area as the natural gas pipeline. The area of temporary disturbance would be the same as for the natural gas pipeline. The project anticipates the above ground 115 kV transmission towers could be located to avoid any permanent disturbance to jurisdictional waters; however this line has not been designed and the tower locations are uncertain. To be conservative, 0.001 acres of permanent disturbance has been included for Alternative 2.

Summary

Jurisdictional Water Resources

No jurisdictional wetlands were identified in the project area. Therefore, the proposed project will not result in the permanent loss of any jurisdictional wetlands. More specifically, no permanent above-grade fills (including access roads and ancillary facilities) would be constructed within any jurisdictional wetlands or riparian area.

The proposed project crosses a total of five (5) jurisdictional waters (i.e., ephemeral drainages). It is estimated that a total of 0.145 acres of temporary surface disturbance would occur within jurisdictional waters as a result of proposed construction activities. Of this amount, it is estimated that there would be a worst-case net loss of approximately 0.014 acres of jurisdictional waters resulting from the installation of the new foundations associated with the new 500 kV transmission line and Alternative B new above-ground 115 kV towers. Where ephemeral drainages are to be crossed by trenching (i.e., pipeline construction), preconstruction contours and compaction will be restored after installation is complete; no unsuitable material will be placed within any jurisdictional water or wetland. Finally, the Applicant will comply with all applicable Nationwide Permit General Conditions and Regional Conditions for the Corps' Los Angeles District.

Inland Empire Energy Center, LLC will submit an application for Section 401 water quality certification to the California Regional Water Quality Control Board (Regional Board), Region 9 (Santa Ana). Inland Empire Energy Center, LLC will provide a copy of the approved Section 401 water quality certification to your office once it is received.

Finally, a Storm Water Pollution Prevention Plan (SWPPP) will be implemented as part of the proposed project in support of the project's Section 402/National Pollutant Discharge Elimination System Permit. The SWPPP will be completed prior to project construction. Furthermore, a Spill Prevention, Containment, and Countermeasure (SPCC) Plan also will be implemented as part of the proposed project. The SWPPP and SPCC Plan will be revised as necessary and copies will be kept at the construction site.

Biological Resources

Inland Empire Energy Center, LLC is required to comply with Section 7 of the Endangered Species Act of 1973 as amended (16 U.S. Codes 1531 et seq) by consulting with the United States Fish and Wildlife Service (USFWS); informal consultation was initiated with USFWS in April 2001. This consultation process will ensure that no action authorized, funded, or carried out by a federal agency jeopardizes the continued existence of a federally listed endangered or threatened species or result in the destruction or adverse modification of any designated critical habitat of a federally listed species. To that end, Inland Empire Center, LLC also will comply with the applicable Nationwide Permit General Conditions (e.g., General Condition 11, Endangered Species) to ensure that no project-related activity jeopardizes the continued existence of a threatened or endangered species or a species proposed for such designation, as identified under the Federal Endangered Species Act.

On April 23, 2002, project representatives met with CDFG staff (e.g., Mr. Juan Hernandez) at their Chino Hills office to discuss the proposed project and potential permit requirements. During that meeting, CDFG staff determined that a Section 1603 Streambed Alteration Agreement will not be required for the proposed project. A copy of the exemption letter is included as Attachment VI.

Impacts to biological resources have been minimized to the maximum extent practical by eliminating the Alternative B Moreno Valley Gas Pipeline route and also by siting facilities away from sensitive habitats (e.g., locating facilities within disturbed agricultural fields, within or adjacent to existing roads, etc.). In addition to the mitigation measures incorporated into the project design, the Applicant has proposed the following mitigation measures to reduce potential impacts to biological resources to a level of insignificance:

- The Applicant will designate a project biologist to manage all biological resource conditions of certification.
- The Applicant will develop and institute an Employee Environmental Awareness Program to inform construction and operations workers about biological resources associated with the project.
- The Applicant will provide funds for impacts to historic Stephen's kangaroo rat (SKR) habitat within the Fee Area in accordance with the requirements of the County's Habitat Conservation Plan for SKR.
- The Applicant will consult with the U.S. Fish and Wildlife Service (USFWS) under Section 7 of the Endangered Species Act to address potential impacts to vernal pool fairy shrimp; a Biological Assessment will be submitted to the USFWS for issuance of a Biological Opinion. Construction of the proposed IEEC project could potentially affect approximately 0.007 acres of fairy shrimp habitat. If avoidance of this species is not possible, the Applicant will compensate for habitat loss through acquisition of lands in pre-approved compensation areas. The Applicant will provide funds to purchase vernal pool habitat from a USFWS approved mitigation bank for project impacts.

Attachment V ("Biological Resources – Summary of Findings for Special Status Species") provides a summary of findings regarding special status species.

Cultural Resources

As described in footnote 1, the CEC environmental review process under the Warren-Alquist Act is considered functionally equivalent to that of CEQA. CEQA and its implementing regulations state that "public agencies should seek to avoid damaging effects on an archaeological resource whenever feasible" (CEQA Guidelines Section 15064.5).

CEQA also requires review to determine if a project will have a significant effect on archaeological sites or properties of historic or cultural significance to a community or ethnic group listed or eligible for inclusion on the California Register of Historic Resources. Inland Empire Center, LLC will comply with the applicable CEQA requirements and Nationwide Permit General Conditions (e.g., General Condition 12, Historic Properties) to ensure that the

requirements of the Federal National Historic Preservation Act are met, and potential impacts to historic resources minimized.

No archaeological sites have been identified within the area of potential effect of the proposed Energy Center site or ancillary facilities, either through archival research or pedestrian surveys. Three potential historic resource sites have been identified and are presently under evaluation for eligibility listing on the California Register of Historic Places. All of these sites are located north of the proposed power plant site, well away from any identified jurisdictional water resources. Nonetheless, consultations with the State Historic Preservation Office will occur to ensure that impacts to sensitive resources are minimized, if required.

I appreciate your time and consideration regarding this matter. Please call Jenifer Morris at (562) 495-6040 if you have any questions or require additional information regarding this project.

Sincerely,

Michael Hatfield, Project Manager
Inland Empire Energy Center, LLC

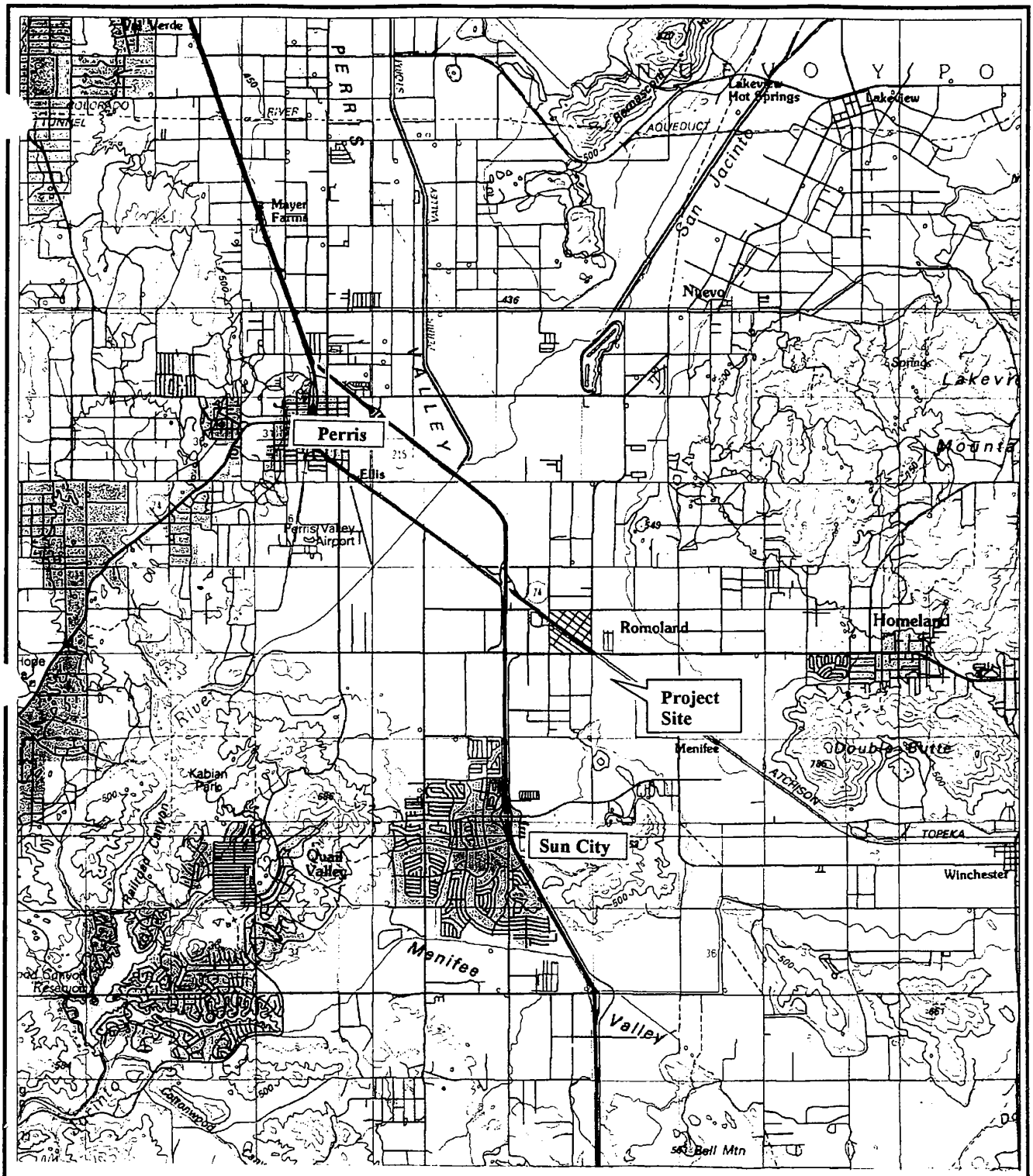
Enclosures

cc: Jenifer Morris, NJR, LLC
Richard Booth, Foster Wheeler Environmental
Court Morgan, Foster Wheeler Environmental

LIST OF ATTACHMENTS

ATTACHMENT I

Regional Location Map



Scale
One Inch = Approximately 1.5 Miles

TN ★ /MN
13½°

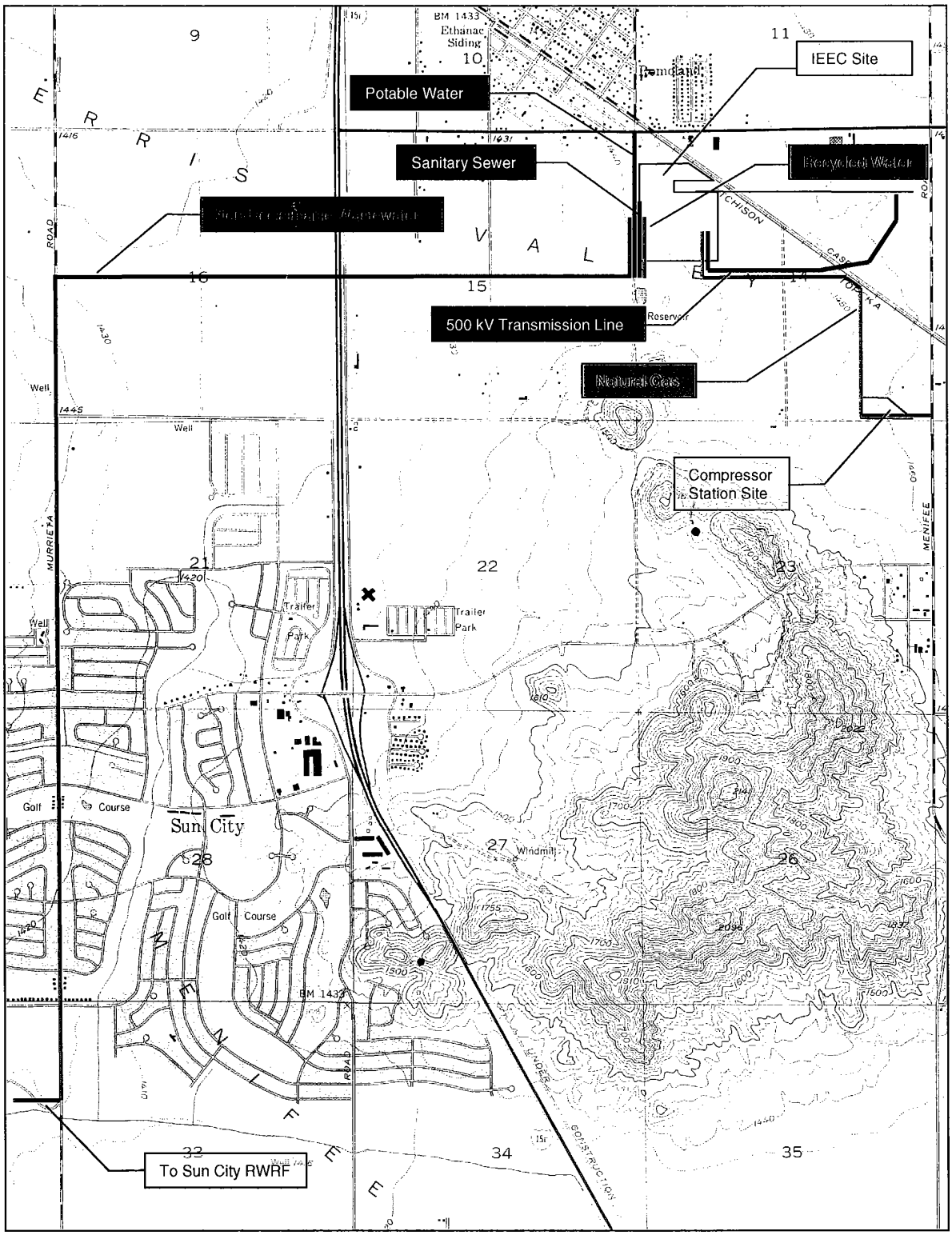
0.0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 miles
0 1 2 3 4 5 km

Inland Empire Energy Center
Inland Empire Energy Center, LLC

Regional Location Map

ATTACHMENT II

Project Facilities Map



IEEC – Project Linears

ATTACHMENT III

Photographs of Waters of the U.S. Keyed to Water Crossing Map

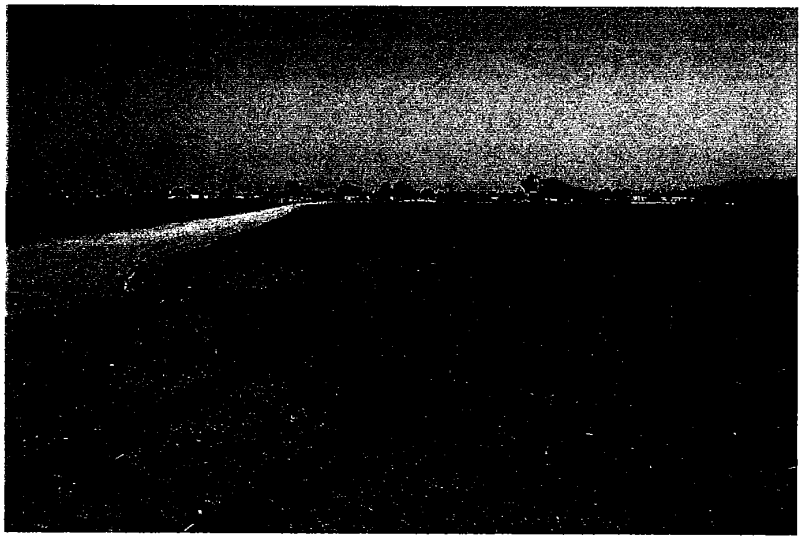


Photo 1. Feature W-5, looking north along the east side of Antelope Rd.

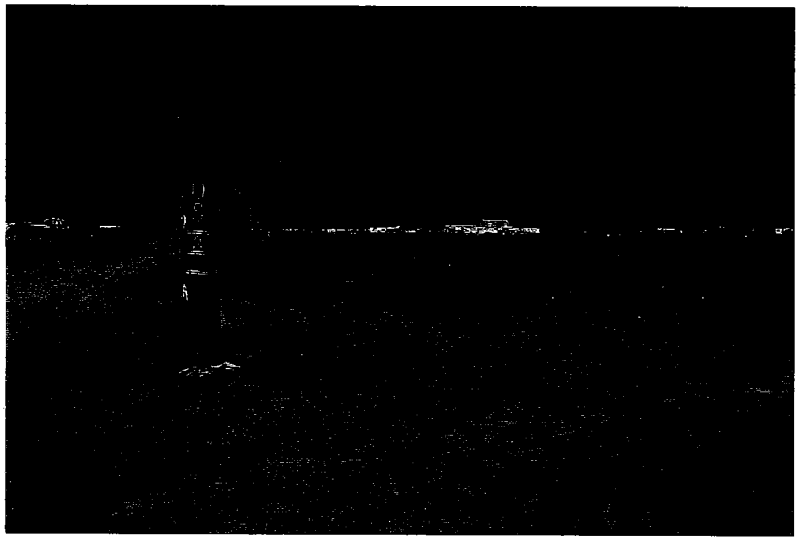


Photo 2. Feature W-5, looking west along the north side of McLaughlin Rd.

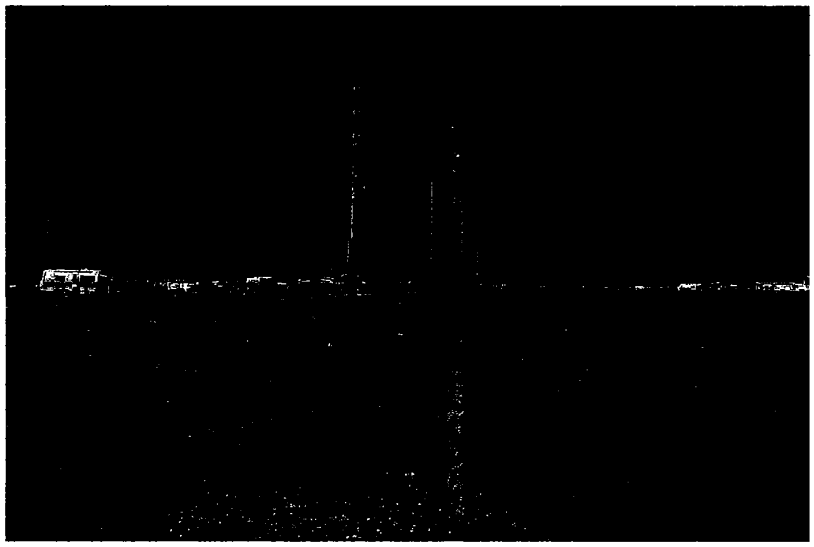


Photo 3. Feature W-5, looking west along the north side of McLaughlin Rd.

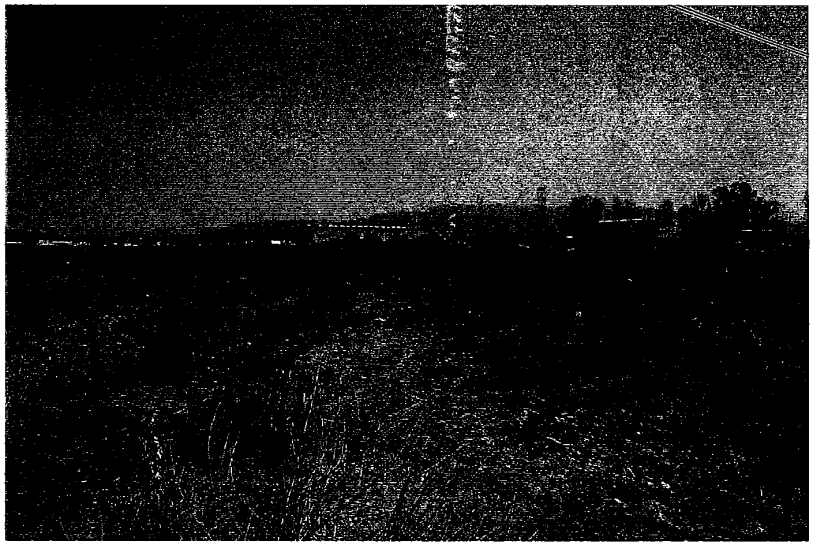


Photo 4. Feature W-4, looking northeast to Palomar Rd RR crossing.
Fairy shrimp site MW-048 is green area in mid-picture.

Photo 5. Feature W-4, looking west on the north side of McLaughlin Rd.

Photo 6. Feature W-2, looking northeast from the intersection of McLaughlin and Palomar Rds.

Photo 7. Intersection of Features W-2 and W-3, looking north-northeast.

Photo 8. Feature W-2, looking northeast towards the SCE Valley Substation.

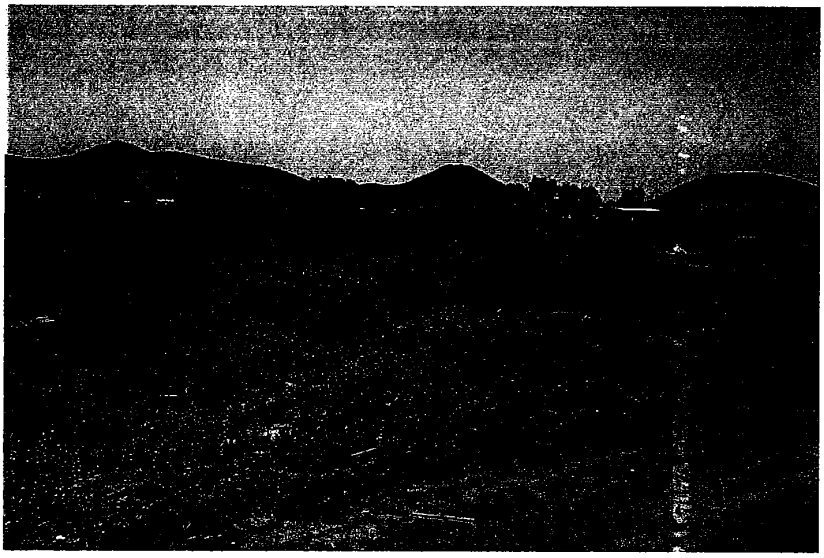


Photo 9. Feature W-1, looking southwest from McLaughlin Rd.

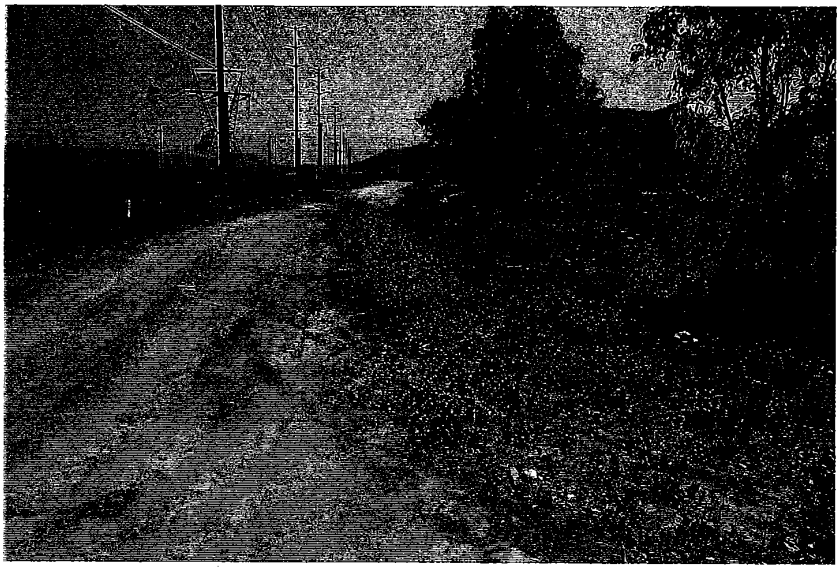


Photo 10. Feature W-1, looking east on the south side of McLaughlin Rd.

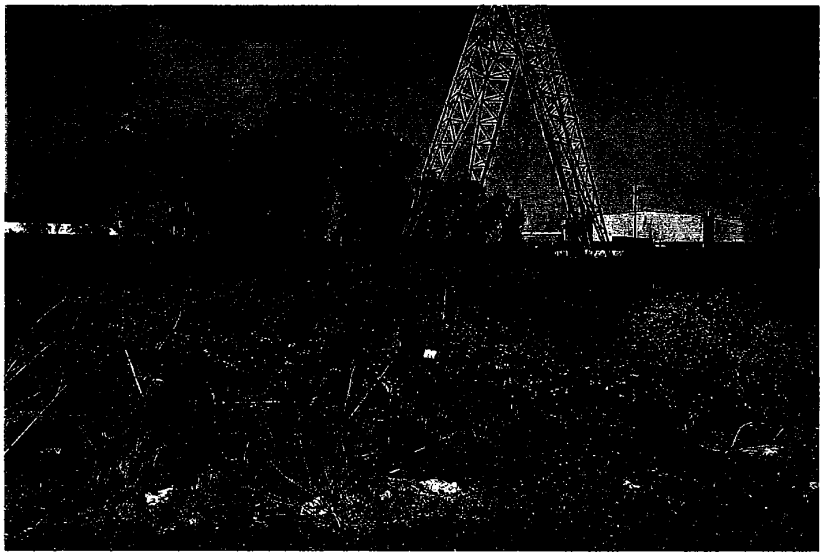


Photo 11. Feature W-1, looking north towards commercial area.

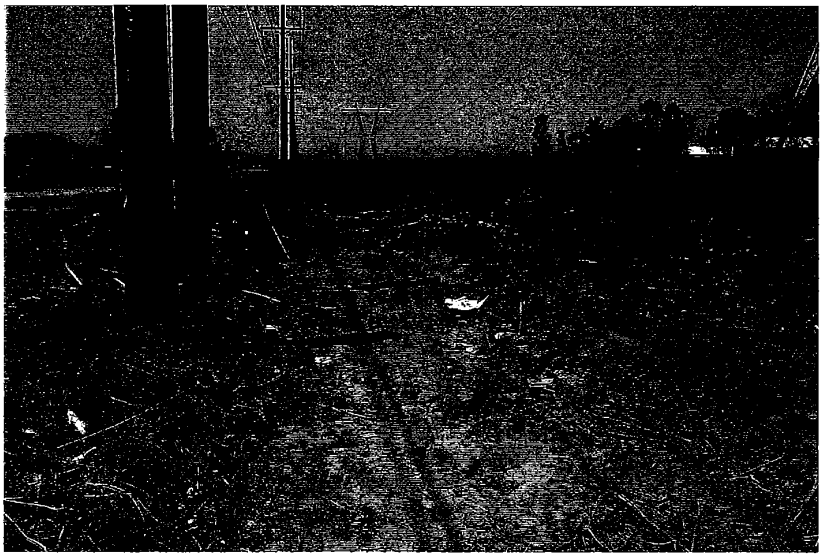


Photo 12. Fairy shrimp site MW-051 (mid-picture), looking west.
Feature W-1 can be seen as the ruderal disturbance vegetation running north to south in upper picture.

ATTACHMENT IV

Jurisdictional Delineation Report

TABLE OF CONTENTS

APPENDICES

JURISDICTIONAL DELINEATION REPORT

Inland Empire Energy Center, LLC

1. Purpose

Foster Wheeler Environmental Corporation (FWENC) is assisting Calpine Corporation with biological and wetlands studies, agency consultations, and permitting for the construction and operation of the 670-megawatt Inland Empire Energy Center, (IEEC), to be owned and operated by Inland Empire Energy Center, LLC, a wholey-owned subsidiary of Calpine Corporation. The proposed project consists of a natural gas-fired combined cycle power plant on a 46-acre parcel near Romoland and associated linear facilities including a 0.9-mile natural gas pipeline, 0.9-mile 500-kilovolt (kV) electrical transmission line, 4.7-mile high-TDS wastewaste water pipeline, 0.5-mile potable water pipeline, 0.2-mile sanitary sewer, and 0.2-mile recycled water pipeline. In addition, the project will include relocation of an existing 0.9-mile 115 kV-power (including a 12 kV distribution line and SCE communications line) line into a buried duct bank or an aboveground right of way (ROW).

The purpose of this study was to determine the potential impacts of the construction and installation of the proposed IEEC project on wetland and water resources. The IEEC linear facilities (gas pipeline, 500-kV electrical transmission line, nonreclaimable wastewater pipeline, potable water pipeline, sanitary sewer, recycled water pipeline, and 115 kV duct bank) include a typical construction corridor. This delineation report illustrates the location and boundaries of all jurisdictional features under Section 404 (b)(1) of the Clean Water Act within the proposed construction corridor of the IEEC and its linear facilities subject to jurisdiction by the U.S. Army Corps of Engineers (Corps).

The proposed IEEC study area crosses listed Public Land Survey Sections (San Bernardino Base and Meridian) within the following USGS 7.5-minute topographic map:

Romoland Quadrangle
Sections 13, 14, 15, 16, 17 Township 5 South, Range 3 West

2. Methods

Wetlands and waters of the U.S. are subject to jurisdiction by the Corps under Section 404 (b)(1) of the Clean Water Act. A wetland delineation evaluating vegetation, soil, and hydrology of potentially jurisdictional areas was conducted in accordance with the procedures of the U.S. Army Corps of Engineers Wetlands Delineation Manual (Corps 1987) and wetland "type" identification criteria developed by Cowardin, et al (1979) and Reed (1988). Wetland delineation data sheets are in Appendix A.

Waters of the U.S. were identified in the field by the presence of a well-defined bed and bank and ordinary high water mark (OHWM). Potential jurisdictional waters of the U.S. in this report also had to demonstrate potential resource value for wildlife species or had to have some connection to a natural drainage feature / pattern (i.e. upstream and downstream vegetation, provide natural

flood control). All potential jurisdictional features within the project construction corridor were noted on an IEEC project map (Appendix B).

3. Definitions

The United States Army Corps of Engineers (Corps) and the United States Environmental Protection Agency (U.S. EPA) regulate the discharge of dredge and fill material into "waters of the United States" under Section 404 of the Clean Water Act.

The Corps' jurisdiction over non-tidal "waters of the United States" extends to the "ordinary high water mark provided the jurisdiction is not extended by the presence of wetlands" (33 CFR Part 328 Section 328.4). Waters of the United States are defined as:

> All waters which are currently used, or were used in the past, or may be susceptible to use in interstate or foreign commerce, including all waters which are subject to the ebb and flow of the tide, all interstate waters including interstate wetlands, all other waters such as intrastate lakes, rivers, streams (including intermittent streams), mudflats, sandflats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes, or natural ponds, the use, degradation or destruction of which would affect interstate or foreign commerce, including such waters which are or could be used by interstate or foreign travelers for recreational or other purposes, or from which fish or shellfish are or could be taken and sold in interstate or foreign commerce, or which are used or could be used for industrial purposes by industries in interstate commerce; all impoundment of waters otherwise defined as waters of the United States interstate commerce, tributaries of waters identified in paragraphs 1-4 of this section, the territorial sea; and wetlands adjacent to waters (40 CFR 230.3).

Wetlands are defined for regulatory purposes as "those areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions." Wetlands generally include swamps, marshes, bogs, and similar areas (33 CFR 328.3, 40 CFR 230.3).

The Corps will typically take jurisdiction over the portion of a project site that contains waters of the United States and adjacent wetlands. The Corps will typically not take jurisdiction over agricultural / irrigation canals and drains or isolated features that lack vegetation or a connection to a natural drainage feature.

4. Jurisdictional Wetlands

No potential jurisdictional wetlands were found within the project construction corridors (see Figure 1). On March 26, 2002 and June 20-26, 2001, FWENC biologists evaluated several potential jurisdictional wetlands. Potential jurisdictional features were discovered along the proposed project linear facilities (0.9-mile natural gas pipeline, 0.9-mile 500-kV electrical transmission line, 4.7-mile non-reclaimable wastewater pipeline, 0.5-mile potable water pipeline, 0.2-mile sanitary sewer, 0.2-mile recycled water pipeline, and 0.9-mile 115 kV duct bank). These

features are associated with surface runoff from the adjacent roads and commercial/residential developments. FWENC evaluated the soils by digging soil pits to a depth of 12-inches identified soils. To determine the soil color(s) and any mottles that may be present a Munsell Color Book (Munsell Color 2000) was used. (Three features characterize soil color: hue, value, and chroma. Hue refers to the soil color in relation to red, yellow, blue, etc. Value refers to the lightness of the hue. Chroma refers to the strength of the color, or departure from a neutral of the same lightness. Each Munsell Color Book has color charts of different hues, ranging from 10R to 5Y. Each page of hue has color chips that show values and chromas. Values are shown in columns down the page from as low as 0 to as much as 8, and chromas are shown in rows across the page from as low as 0 to as much as 8. In writing Munsell color notations, the sequence is always hue, value, and chroma e.g. 10YR5/2.) To determine soil color, biologists placed a small portion of soil (moistened) in the openings behind the color page and matched the soil color to the nearest appropriate color chip.

The soils were Exeter sandy loams with a matrix color 7.5YR 3/2, 2.5YR 3/3, and 5YR 3/3 (Munsell Color 2000, NRCS 2001, and USCS 1971). These soils have chroma values too high to fall under the classic definition of hydric soils, and no mottles were observed. The Exeter sandy loam soil type is not listed as a hydric soil (USCS 1991). Hydrology for these features is provided by a combination of runoff from the adjacent roads, and precipitation events. The dominant vegetation in the March 2002 evaluation consisted of black mustard (*Brassica nigra)* [No indicator status], Eucalyptus (*Eucalyptus* sp.) [No indicator status], Hairy-leaved sunflower (*Helianthus annuus*) [FAC-], Pineapple-weed (*Matricaria matricariodies*) [FACU], Hare barely (*Hordeum leporinum*) [No indicator status], and Downy brome (*Bromus tectorum*) [No indicator status]. The proposed construction corridor does not contain soils with chroma values that meet the classic definition of hydric soils, and the hydrology is not sufficient to inundate or saturate the surface at a frequency and duration sufficient to support (and that under normal circumstances do support) a prevalence of vegetation typically adapted for life in saturated soil conditions. See Appendix A and D for copies of the wetlands delineation data sheets for 3-26-02 and 6-21-01 respectively.

Wetland Functions and Values

Wetland habitats associated with permanent flowing rivers and creeks, as well as intermittent drainage channels, provide food, water, migration and dispersal corridors, and nesting and breeding habitat for a variety of wildlife species. Numerous amphibian, reptile, bird, and mammal species are residents or visitors in wetland habitats due to the vegetation's structural diversity. Wetland habitats are essential breeding, rearing, and feeding grounds for many species of wildlife. Wetlands also perform important flood protection and pollution controls.

5. Water Crossings

The project site does not include any potentially jurisdictional waters. The proposed linear routes include several potentially jurisdictional water crossings. The feature number with location information is referenced in Table 1 (see map in Appendix C). Data for these features were collected from USGS topographic quadrangles, field surveys, and other sources. Worst-case scenarios were assumed in calculating the maximum potential temporary and permanent acreage of impact.

Calpine staff estimated that the new electrical transmission line could have a maximum temporary disturbance of 10,000 square feet per tower location, and a maximum permanent disturbance of 400 square feet per structure. Hence, the maximum calculated length of potential impact associated with temporary disturbance, and permanent disturbance per structure was calculated at 141 feet, and 28 feet respectively for the electrical transmission line. Additionally, a total of four structures were assumed to potentially impact jurisdictional features. (This represents a worst-case assumption based upon present structure locations. Actual impacts will likely be less.) Impact areas for the aboveground 115 kV relocation alternatives were similarly calculated. The construction ROW for the natural gas pipeline is 75 feet. The maximum calculated length of potential construction impact associated with the natural gas pipeline is 75 feet. There are no permanent impacts associated with the natural gas pipeline. The construction ROW for the 115 kV buried duct banks is 75 feet. There are no permanent impacts associated with the 115 kV duct banks. The non-reclaimable wastewater pipeline, potable water pipeline, sanitary sewer, and recycled water pipeline will all be located in the Antelope Road ROW at the point where they cross one of the potential jurisdictional features. The construction ROW for these linear facilities is 88 feet. The maximum calculated length of potential construction impact associated with these linear facilities is 88 feet. There are no permanent impacts associated with these linear facilities. The spreadsheet showing these calculations is included in Appendix C.

Table 1. Potential Jurisdictional Waters within the Project Construction Corridor.

Water ID Number	USGS Quad Name	Waters Type	Observed Width @ OHWM (feet)	Maximum Potential Acreage of Impact Temporary/ Permanent	Twp, Range, Section	Vegetation	Habitat Type	Latitude & Longitude (degrees, minutes, seconds)	Construction Method
W-1	Romoland	Ephemeral	2	GL–0.005/0.0 ET–0.016/0.003[1] UND–0.005/0.0 AG–0.003/0.001[2]	5 South, 3 West, 14	Hare barely, downy brome, black mustard, eucalyptus, and hairy-leaved sunflower	Upland disturbed	N 33, 44, 12 W 117, 9, 36.6	Trenching
W-2	Romoland	Ephemeral	5	GL–0.012/0.0 ET–0.016 / 0.003 UND–0.012/0.0 AG–0.006/0.001 DL–0.005/0.0	5 South, 3 West, 14	Russian thistle, black mustard, and hairy-leaved sunflower	Upland disturbed	N 33, 44, 11.6 W 117, 9, 39.5	Trenching
W-3	Romoland	Ephemeral	2	ET–0.016/0.003[1]	5 South, 3 West, 14	Black mustard, and hairy-leaved sunflower	Upland disturbed	N 33, 44, 11.1 W 117, 9, 41.2	Trenching
W-4	Romoland	Ephemeral	5	ET–0.049/0.009 UND–0.017/0.0 GL–0.009/0.0	5 South, 3 West, 14	Russian thistle, black mustard, cocklebur, eucalyptus, and hairy-leaved sunflower	Upland disturbed	N 33, 44, 11.2 W 117, 9, 49.4	Trenching
W-5	Romoland	Ephemeral	2	WWL–0.004 / 0.00	5 South, 3 West, 14	Black mustard	Upland disturbed	N 33, 44, 9.6 W 117, 10, 15.5	Trenching

AG = Relocating SCE's existing 115 kV lines south of McLaughlin Rd
DL = 12 kV distribution line and SCE comms.
ET = Electrical Transmission Tower
GL = Gas Line
OHWM = Ordinary high water mark
Twp =
UND =Undergrounding SCE's 115 kV line
WWL = Non-Reclaimable Waste Water Line

1 ET towers may cross W-1, W-2 or W-3, but not all three. Worst-case is assumed.

2 Impact area is greater than zero, but less than 0.001.

Note: The proposed potable water line, sanitary sewer line, and recycled water line, are included in the WWL impact calculations.

See Appendix C for disturbance calculation.

Relocating SCE's Existing 115 kV Transmission and 12 kV Distribution Lines

As part of the proposed project, Inland Empire Energy Center, LLC would relocate the existing double circuit 115 kV electrical lines and the 12 kV distribution and SCE communications lines.

Alternative 1 is to remove SCE's existing 115 kV aboveground transmission lines that parallel the north side of McLaughlin Road and bury these lines immediately south of their existing alignment (see Figure 1). The undergrounding of SCE's existing 115 kV electrical transmission lines would require a construction corridor approximately 75 feet wide. Thus, this activity would result in the temporary disturbance of approximately 0.034 acres of jurisdictional waters. This particular activity would not result in the permanent loss of any jurisdictional waters or wetlands.

The proposed project also would include the burying of an existing 12 kV subtransmission line and SCE communications line that is currently located along SCE's existing 115 kV alignment. SCE's existing 12 kV line would be relocated along the south side of the McLaughlin Road ROW. This activity would result in temporary disturbance of 0.007 acres of jurisdictional waters. There would be no permanent loss of any jurisdictional waters or wetlands as a result of relocating and burying SCE's existing 12 kV subtransmission line.

Alternative 2 is to relocate the existing aboveground SCE 115 kV transmissions lines to aboveground lines in the ROW south of McLaughlin Road in the same ROW as the natural gas pipeline. The area of temporary disturbance would be the same as for the natural gas pipeline. The project anticipates the 115 kV transmission towers could be located to avoid any permanent disturbance to jurisdictional waters; however, this line has not been designed and the tower locations are uncertain. To be conservative, 0.001 acres of permanent disturbance has been estimated for Alternative 2.

6. Waters of the U.S. Functions and Values

All of the features listed in Table 1 are potential jurisdictional features. These ephemeral drainages appear to be isolated but could provide natural flood control as a result of their proximity to, and/or location within the 100-year flood plain of the San Jacinto River. These features are biologically isolated and are unlikely to provide food for wildlife, serve as migration or dispersal corridors for wildlife, and contain no significant habitat that is distinct from the adjacent uplands. These areas are unlikely to provide essential breeding, rearing, or feeding grounds for wildlife.

7. Project Impacts to Jurisdictional Features

The proposed project would not result in the permanent loss or temporary disturbance of any jurisdictional wetlands. It is estimated that a total of approximately 0.0145 acres of temporary surface disturbance would occur within jurisdictional waters as a result of construction activities. It is estimated that a total of approximately 0.014 acres of permanent above-grade fills would occur within waters of the U.S.

Waters of the U.S. outside of the construction ROW will be identified prior to construction, and staked to avoid or minimize impact where necessary. Ephemeral drainages are to be crossed by trenching, and potentially permanently impacted only by transmission tower foundations. Once

construction is complete in temporary disturbance areas, the topography/contours of the affected waters will be restored to pre-construction conditions. Furthermore, the proposed temporary disturbance to such features will not affect (i.e., act as a barrier) to existing surrounding hydrologic conditions. No fill is expected to be used on the linear construction routes, i.e., any soil removed from the trenches will placed back in the specific trench of derivation. Should it become necessary to use imported fill material on the IEEC linear construction projects, such fill shall come from a county permitted borrow pit.

An estimated 8,000 to 16,000 cubic yards of imported fill material will be required at the IEEC plant site. All imported fill material will be obtained from a permitted borrow pit subject to the approval of Riverside County and the Corps.

A Spill Prevention Containment and Control Plan (SPCC) will be implemented to minimize the potential effects to surface waters resulting from unforeseen spill incident. Site selection for project staging areas where hazardous materials and hazardous wastes may be present will consider and avoid jurisdictional waters. Project staging areas where hazardous materials and hazardous wastes may be present will be located at least 100 feet from jurisdictional waters. Transfer of liquids and refueling will occur only at approved locations that are at least 100 feet away from any jurisdictional waters.

8. Impacts to Sensitive Biological Features

IEEC is required to comply with Section 7 of the Endangered Species Act of 1973 as amended (16 U.S. Codes 1531 et seq) by consulting with the United States Fish and Wildlife Service (USFWS). This consultation process will ensure that actions authorized, funded, or carried out by a federal agency will not jeopardize the continued existence of a federally listed endangered or threatened species or result in the destruction or adverse modification of any designated critical habitat of a federally listed species. Informal consultation was initiated with USFWS and California Department of Fish and Game (CDFG) in April 2001. In November 2001 the CDFG concluded that the proposed project would not significantly impact biological resources and has provided a letter of exemption. On April 24, 2002, the ACOE, IEEC staff, and USFWS reviewed the requirement for consultation under Section 7 of the Endangered Species Act. Impacts to biological resources have been minimized to the extent practical by eliminating the Alternative B Moreno Valley Gas Pipeline and siting facilities away from sensitive habitats (within disturbed agricultural fields, within/adjacent existing roads, and utility corridors, etc). In addition to the mitigation measures incorporated into the project design, IEEC has proposed the following mitigation measures to reduce potential impacts to biological resources to a level of insignificance.

- Biological impacts to potential fairy shrimp habitat will be minimized to the maximum extent possible by siting facilities away from such sensitive habitats, within disturbed agricultural fields, adjacent to or within existing road or established utility ROWs.
- The Applicant will designate a project biologist to manage all biological resource conditions of certification with respect to potential fairy shrimp habitat.
- The Applicant will develop and implement and Employee Environmental Awareness Program to inform construction and operations staff about potential biological resources

issues associated with the project generally and specifically with respect to potential fairy shrimp habitat.

- Should it be deemed appropriate in the Section 7 process, the Applicant will provide funds to purchase vernal pool habitat from a USFWS approved mitigation bank for project impacts associated with potential fairy shrimp habitat.
- The Applicant will comply with all conditions resulting from the Section 7 consultation with the USFWS.
- A biological assessment (BA) is currently being prepared which addresses biological issues, including T&E fairy shrimp issues. Copies will be provided to ACOE staff for submittal to USFWS.

9. Literature Cited

Cowardin, L.M., V. Carter, F.C. Golet, and E.T. LaRoe. 1979. Classification of wetlands and deepwater habitats of the United States. U.S. Fish and Wildlife Service. FWS/OBS-79-31.

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National Resource Conservation Service (NRCS). 2001. Official Series Descriptions. www.statlab.iastate.edu.

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US Department of Agriculture, Soil Conservation Service (USCS). 1971. Soil Survey of Western Riverside Area, California.

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APPENDIX A

Wetland Delineation Data Sheets

3-26-02

MW051

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: IEEC
Applicant/Owner:
Investigator: LM, CM

Date: 3/26/02
County: Riverside
State: CA

Do Normal Circumstances exist on the site? (Yes) No
Is the site significantly disturbed (Atypical Situation)? (Yes) No
Is the area a potential Problem Area? Yes (No)
(If needed, explain on reverse.)

Community ID:
Transect ID:
Plot ID:

VEGETATION

Dominant Plant Species	Stratum	Indicator
1. BRASSICA NIGRA		NI
2. Eucalyptus sp		NI
3. Helianthus annus		FAC-
4. Hordeum leporinum		NI
5.		
6.		
7.		
8.		

Dominant Plant Species	Stratum	Indicator
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 25 %

Remarks: UPLAND DISTURBANCE VEG, SIGNS OF GRAZING & ANIMAL TRAFFIC

HYDROLOGY

___ Recorded Data (Describe in Remarks):
___ Stream, Lake, or Tide Gauge
___ Aerial Photographs
___ Other
✓ No Recorded Data Available

Field Observations:

Depth of Surface Water: NA (in.)
Depth to Free Water in Pit: NA (in.)
Depth to Saturated Soil: NA (in.)

Wetland Hydrology Indicators:
Primary Indicators:
___ Inundated
___ Saturated in Upper 12 Inches
___ Water Marks
___ Drift Lines
X Sediment Deposits
___ Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
___ Oxidized Root Channels in Upper 12 Inches
___ Water-Stained Leaves
___ Local Soil Survey Data
___ FAC-Neutral Test
___ Other (Explain in Remarks)

Remarks: HYDROLOGY APPEARS TO COME FROM SURFACE ROAD RUNOFF & RUNOFF FROM OTHER COMMERCIAL/RESIDENTIAL DEVELOPMENTS. @ 12" NO SATURATED OR INUNDATED SOIL.

MM05 1

SOILS

Map Unit Name (Series and Phase): EXETER SANDY LOAM

Drainage Class: _____

Field Observations Confirm Mapped Type? (Yes) No

Taxonomy (Subgroup): _____

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
12"		7.5YR 3/2	NO MOTTLES	NA	SANDY LOAM

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- X High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks: SOILS CHROMA VALUE IS TO HIGH TO MEET CLASSIC DEFINITION of hydric soils. SOIL IS NOT LISTED AS HYDRIC

WETLAND DETERMINATION

		(Circle)
Hydrophytic Vegetation Present?	Yes (No)	
Wetland Hydrology Present?	Yes (No)	
Hydric Soils Present?	Yes (No)	
Is this Sampling Point Within a Wetland?	Yes (No)	

Remarks: SAMPLE PT soils don't meet definition of hydric soils AND THE hydrology isn't sufficient to support a prevalence of VEGETATION typically adapted for life in a SATURATED/inundated soil condition. SITE IS A disturbed AREA, THIS PT IS A low spot ACROSS A DRAINAGE that collects water & drains QUICKLY DUE to SANDY soils.

Approved by HQUSACE 2/92

MW 051

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: LEEC Applicant/Owner: Investigator: LM, CM	Date: 3/26/02 County: Riverside State: CA
Do Normal Circumstances exist on the site? (Yes) No Is the site significantly disturbed (Atypical Situation)? (Yes) No Is the area a potential Problem Area? (Yes) (No) (If needed, explain on reverse.)	Community ID: Transect ID: Plot ID:

VEGETATION

Dominant Plant Species	Stratum	Indicator
1. MATRICARIA MATRICARIOIDES		FACU
2. BRASSICA NIGRA		NI
3. Helianthus Annus		FAC-
4. Hordeum leporinum		NI
5. Bromus tectorum		NI
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 20%

Remarks: UPLAND disturbance veg, signs of equipment usage (grading, etc) and ANIMAL GRAZING

HYDROLOGY

___ Recorded Data (Describe in Remarks):
- ___ Stream, Lake, or Tide Gauge
- ___ Aerial Photographs
- ___ Other

✓ No Recorded Data Available

Field Observations:

Depth of Surface Water: NA (in.)

Depth to Free Water in Pit: NA (in.)

Depth to Saturated Soil: @ SURFACE (in.)

Wetland Hydrology Indicators:

Primary Indicators:
- ___ Inundated
- X Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ___ Drainage Patterns in Wetlands

Secondary Indicators (2 or more required):
- ___ Oxidized Root Channels in Upper 12 Inches
- ___ Water-Stained Leaves
- ___ Local Soil Survey Data
- ___ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks: HYDROLOGY APPEARS TO COME FROM SURFACE RUNOFF FROM THE ROAD & OTHER COMMERCIAL/RESIDENTIAL DEVELOPMENTS; @ SURFACE SOIL WAS SATURATED

MW051

SOILS

Map Unit Name (Series and Phase): EKETCH SANDY LOAM — Drainage Class: _____
Field Observations Confirm Mapped Type? (Yes) No

Taxonomy (Subgroup): _____

Profile Description: Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
12"		2.5YR 3/3	NO MOTTLES	NA	SANDY LOAM

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks: SOIL CHROMA VALUE IS TO HIGH TO MEET CLASSIC DEFIN. OF HYDRIC SOILS. SOIL IS NOT LISTED AS HYDRIC

WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes (No) (Circle)
Wetland Hydrology Present? Yes (No)
Hydric Soils Present? Yes (No)

Is this Sampling Point Within a Wetland? (Circle) Yes (No)

Remarks: SAMPLE PT. SOILS DON'T MEET DEFIN. OF HYDRIC SOILS; HYDROLOGY ISN'T SUFFICIENT TO SUPPORT A PREVALENCE OF VEG. TYPICALLY ADAPTED FOR LIFE IN A SATURATED SOIL CONDITION. THIS A DISTURBED YARD WHICH HAS SOME LOW SPOTS WHICH COLLECT WATER, BUT DRAIN QUICKLY due TO SANDY SOILS.

Approved by HQUSACE 2/92

MW 048

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: IEEC
Applicant/Owner:
Investigator: LM, CM

Date: 3/26/02
County: RIVERSIDE
State: CA

Do Normal Circumstances exist on the site? (Yes) No
Is the site significantly disturbed (Atypical Situation)? (Yes) No
Is the area a potential Problem Area? Yes (No)
(If needed, explain on reverse.)

Community ID:
Transect ID:
Plot ID:

VEGETATION

Dominant Plant Species	Stratum	Indicator
1. ERYSIMUM MYNTH		NI
2. HELIANTHUS ANNUS		FAC-
3. XANTHIUM STRUMARIUM		FAC+
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 33%

Remarks: UPLAND DISTURBANCE VEG, LITTER DEBRIS, SIGN OF ANIMAL GRAZING.

HYDROLOGY

___ Recorded Data (Describe in Remarks):
___ Stream, Lake, or Tide Gauge
___ Aerial Photographs
___ Other
___ No Recorded Data Available

Field Observations:

Depth of Surface Water: NA (in.)
Depth to Free Water in Pit: NA (in.)
Depth to Saturated Soil: NA (in.)

Wetland Hydrology Indicators:
Primary Indicators:
___ Inundated
___ Saturated in Upper 12 Inches
___ Water Marks
___ Drift Lines
___ Sediment Deposits
X Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
___ Oxidized Root Channels in Upper 12 Inches
___ Water-Stained Leaves
___ Local Soil Survey Data
___ FAC-Neutral Test
___ Other (Explain in Remarks)

Remarks: HYDROLOGY APPEARS TO COME FROM SURFACE RUNOFF FROM RAIN EVENTS. (< 12" NO SATURATION) IN INUNDATED COIL

MW08

SOILS

Map Unit Name (Series and Phase): Bracken Sandy Loam — Drainage Class: ____

Field Observations — Confirm Mapped Type? (Yes) No

Taxonomy (Subgroup): ____

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
12"		2.5Y 3/3	NA	NA	Sandy loam

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks: SOIL CHROMA VALUE IS TO HIGH TO MEET DEFN. of hydric soil. SOIL IS NOT LISTED AS HYDRIC.

WETLAND DETERMINATION

		(Circle)
Hydrophytic Vegetation Present?	Yes (No)	(Circle)
Wetland Hydrology Present?	Yes (No)	
Hydric Soils Present?	Yes (No)	
Is this Sampling Point Within a Wetland?	Yes (No)	

Remarks: SAMPLE PT SOILS DON'T MEET defin of HYDRIC SOILS and hydrology isn't sufficient to support A prevalence of veg typically adapted for life in a saturated/inundated condition. site is disturbed, ditched, farmed, etc. This area is a low spot along a drainage that passes from an Ag field.

Approved by HQUSACE 2/92

MEW

BLO-2

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: IEEC
Applicant/Owner:
Investigator: LM, CM

Date: 3/26/02
County: Riverside
State: CA

Do Normal Circumstances exist on the site? (Yes) No
Is the site significantly disturbed (Atypical Situation)? (Yes) No
Is the area a potential Problem Area? Yes (No)
(If needed, explain on reverse.)

Community ID:
Transect ID:
Plot ID:

VEGETATION

Dominant Plant Species	Stratum	Indicator
1. BROMUS tectorum		NI
2. HORDEUM leporinum		NI
3.		
4.		
5.		
6.		
7.		
8.		

Dominant Plant Species	Stratum	Indicator
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%

Remarks: UPLAND DISTURBANCE WEST IN THE MIDDLE OF AN ACCESS ROAD . . .

HYDROLOGY

___ Recorded Data (Describe in Remarks):
___ Stream, Lake, or Tide Gauge
___ Aerial Photographs
___ Other
✓ No Recorded Data Available

Field Observations:

Depth of Surface Water: NA (in.)
Depth to Free Water in Pit: NA (in.)
Depth to Saturated Soil: @ SURFACE (in.)

Wetland Hydrology Indicators:
Primary Indicators:
___ Inundated
___ Saturated in Upper 12 Inches
___ Water Marks
___ Drift Lines
___ Sediment Deposits
___ Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
___ Oxidized Root Channels in Upper 12 Inches
___ Water-Stained Leaves
___ Local Soil Survey Data
___ FAC-Neutral Test
___ Other (Explain in Remarks)

Remarks: HYDROLOGY APPEARS TO COME FROM SURFACE RUNOFF, SITE GRADING ON ADJACENT LANDS W/ EROSION CONTROL FEATURES DIRECT H2O ONTO DIRT ROAD. W @ SURFACE SOIL WAS SATURATED

NEW
BCO-2

SOILS

Map Unit Name (Series and Phase): EXETER SANDY LOAM Drainage Class: _____
Field Observations
Confirm Mapped Type? (Yes) No

Taxonomy (Subgroup): _____

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
12"		5YR 3/3	NA	NA	SANDY LOAM

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks: SOIL CHROMA VALUE TO HIGH TO MEET DEFN of hydric soil; SOIL TYPE NOT LISTED AS HYDRIC

WETLAND DETERMINATION

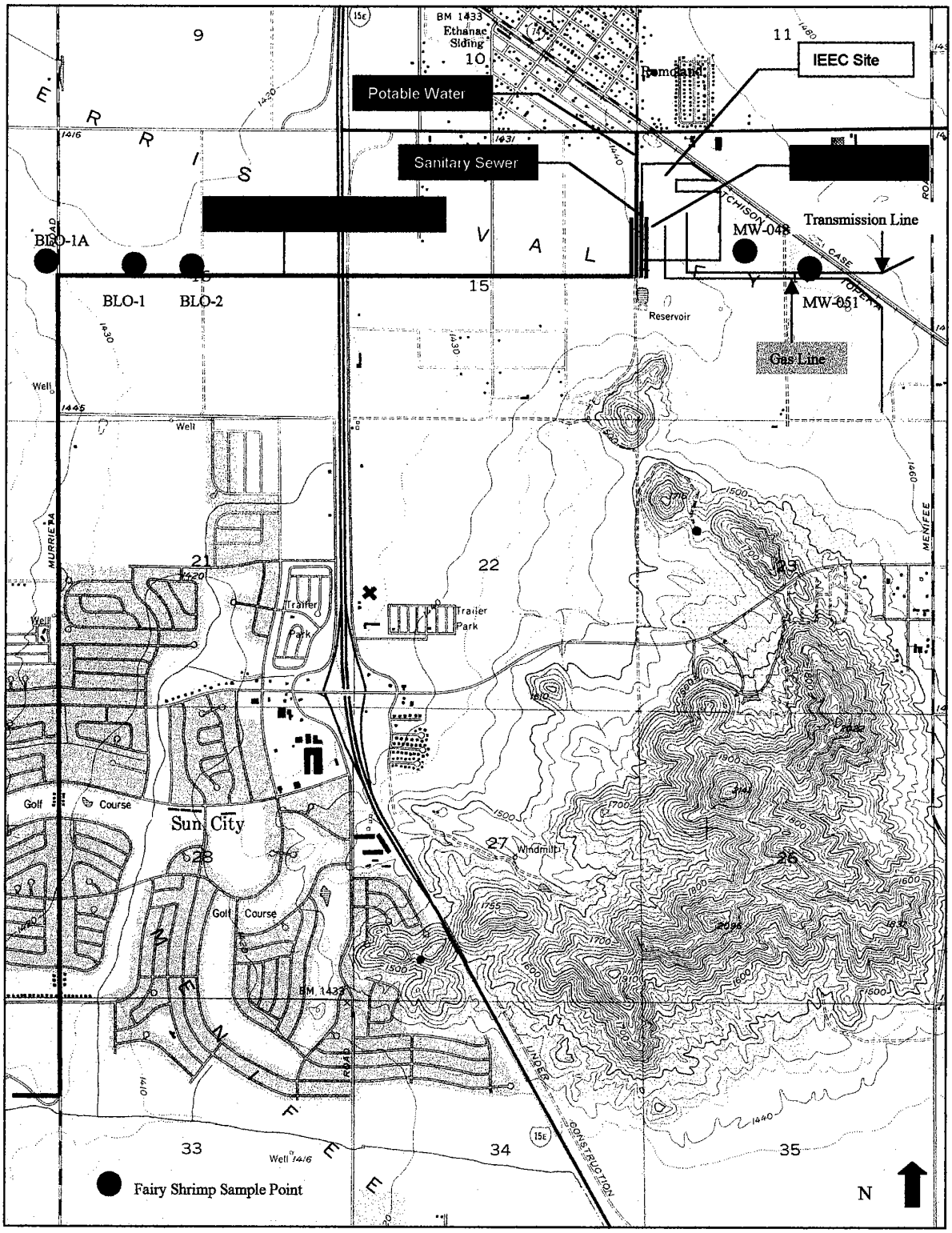
		(Circle)
Hydrophytic Vegetation Present?	Yes (No)	
Wetland Hydrology Present?	Yes (No)	
Hydric Soils Present?	Yes (No)	
Is this Sampling Point Within a Wetland?	Yes (No)	

Remarks: FEATURE IS ISOLATED, OUTSIDE OF 100yr FLOOD PLAIN OF SAN JACINTO RIVER; SAMPLE PT SOILS don't MEET DEFN of Hydric SOILS; hydrology IS ARTIFICIALLY directed at sample pt but ISN'T SUFFICIENT to support PREVALENCE OF Hydric VEG. SITE IS A disturbed upland ROAD w/ H2O directed @ it DUE to Adjacent Commercial/Residential 3-4 CONSTRUCTION

Approved by HQUSACE 2/92

APPENDIX B

Fairy Shrimp Sampling Location Map

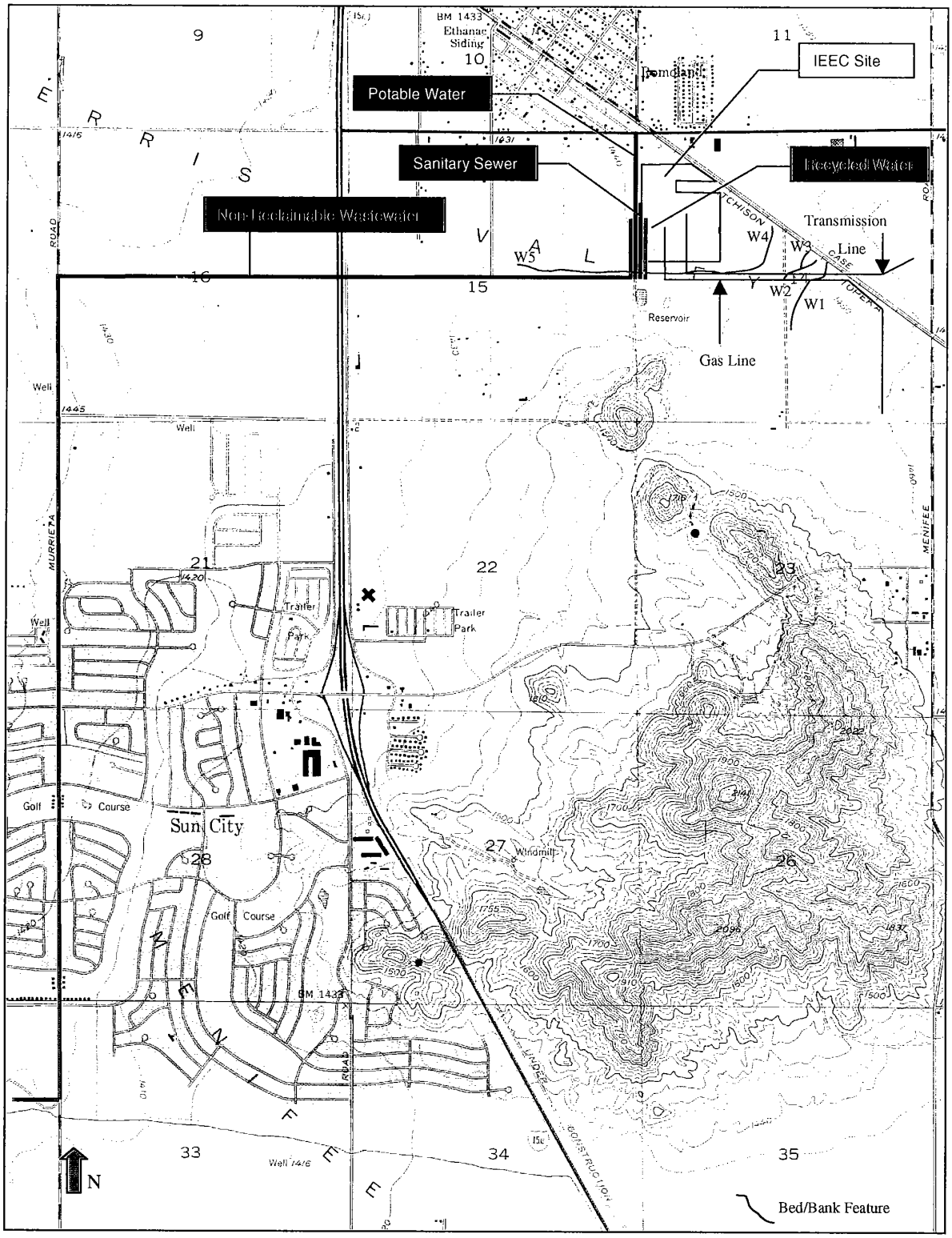


Inland Empire Energy Center

Fairy Shrimp Sample Locations

APPENDIX C

Jurisdictional Waters of the U.S. Crossing Map



Inland Empire Energy Center

Water Crossing Location Map

Disturbance Calculations [1]

Below-ground, Linear Project Facilities

	ROW Width (ft.)	Feature Crossed	Average Feature Width, ft.	Crossing Angle, deg.	Dist. Area Sq.Ft.	Acres Temp. Dist.	Acres Perm. Dist.	Temp. Lineal Feet	
Gas Line	75	W-1	2	45	212	0.005	0	106	
	75	W-2	5	45	530	0.012	0	106	
	75	W-4	5	90	375	0.009	0	75	
					1117	0.026	0	287	Subtotal
12kV Line & SCE Comms	30	W-1	2	45	85	0.002	0	42	
	30	W-2	5	45	212	0.005	0	42	
					297	0.007	0	85	Subtotal
Under-ground 115 kV Duct Banks	75	W-1	2	45	212	0.005	0	106	
	75	W-2	5	45	530	0.012	0	106	
	75	W-4	5	0	750	0.017	0	150	[2]
					1492	0.034	0	362	Subtotal
Potable Water									
Sewer Line	88	W-5	2	90	176	0.004	0	88	
Reclaim Supply									
NR Waste Water									
			Totals		**3083**	**0.071**	**0**	**822**	

Above-ground Transmission Line Facilities [3]

Temporary Disturbance	Temp. Dist. Sq.Ft	Temp. Max. Lineal Ft.	# of Towers	Feature Impacted	Feature Width (ft.)	Temp. Feature Dist Sq.Ft.	Temp. Lineal Feet	Temp. Feature Dist. Acres	
500 kV Transmission Line Towers	10000	141	1	W-2	5	707	141	0.016	
	10000	141	1	W-4	5	707	141	0.016	
	10000	141	1	W-4	5	707	141	0.016	
	10000	141	1	W-4	5	707	141	0.016	
								0.065	Subtotal
115 kV Transmission Line Towers	1600	57	1	W-1	2	113	0	0.003	[5]
	1600	57	1	W-2	5	283	0	0.006	
					Total:	**3224**	**564**	**0.074**	

Permanent Disturbance	Perm. Dist. Sq.Ft.	Perm. Max. Lineal Ft.	# of Towers	Feature Impacted	Feature Width, ft.	Perm. Feature Dist. Sq.Ft.	Perm. Lineal Feet	Perm. Feature Dist. Acres	
500 kV Transmission Line Towers	400	28	1	W-2	5	141	28	0.003	[4]
	400	28	1	W-4	5	141	28	0.003	
	400	28	1	W-4	5	141	28	0.003	
	400	28	1	W-4	5	141	28	0.003	
								0.013	Subtotal
115 kV Transmission Line Towers	25	7	1	W-1	2	14	7	0.000	
	25	7	1	W-2	5	35	7	0.001	
					Total:	**615**	**127**	**0.014**	

Acres of Potential Temporary Feature Disturbance =	0.145
Acres of Potential Permanent Feature Disturbance =	0.014
Permanent Disturbance Acreage Limitation =	0.5
Lineal Ft. of Potential Feature Temporary Disturbance =	1386
Lineal Ft. of Potential Permanent Disturbance =	127

[1] See Figure 165-A for feature locations and project facility locations.
[2] Field Measurement in 5/02 were taken every 50 feet. 3 points of W-4 were within the 115 Duct Bank Construction ROW
[3] These calculation are based on a worst-case and assume that 4 of the 500 kV and 2 of the 115 kV transmission towers are located in the water features. The precise locations will be determined in final design.
[4] W-1 crossing is more likely, but W-2 was chosen to represent the worst case.
[5] 115 kV above-ground towers will be located in the same ROW as the gas pipeline. Lineal feet of disturbance is included in the gas pipeline calculations.

APPENDIX D

Wetlands Delineation Data Sheets 6-21-01

MW 048

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: Menifee
Applicant/Owner: Calpine
Investigator: Bob Anderson

Date: 6/21/01
County: Riv.
State: CA

Do Normal Circumstances exist on the site? Yes (No)
Is the site significantly disturbed (Atypical Situation)? (Yes) No
Is the area a potential Problem Area? Yes (No)
(If needed, explain on reverse.)

Community ID:
Transect ID:
Plot ID:

VEGETATION

Dominant Plant Species	Stratum	Indicator
1. Cynodon dactylon (Bermuda)	herb	FAC
2. Xanthium strumarium (cocklebur)	herb	FAC+
3. Lolium perene (Ryegrass)	herb	FAC
4. Sorghum halipense (Johnsongrass)	herb	FACU
5. Polypogon monspeliensis (Rabbits foot)	herb	FACW+
6. Helianthus annuus (sunflower)	herb	FAC-
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 67%

Remarks: The above plants are localized around a drainage that passes through a larger area of upland weeds

HYDROLOGY

___ Recorded Data (Describe in Remarks):
___ Stream, Lake, or Tide Gauge
___ Aerial Photographs
___ Other
___ No Recorded Data Available

Field Observations:

Depth of Surface Water: — (in.)
Depth to Free Water in Pit: — (in.)
Depth to Saturated Soil: 24" (in.)

Wetland Hydrology Indicators:
Primary Indicators:
___ Inundated
___ Saturated in Upper 12 Inches
___ Water Marks
X Drift Lines
X Sediment Deposits
X Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
___ Oxidized Root Channels in Upper 12 Inches
X Water-Stained Leaves
___ Local Soil Survey Data
___ FAC-Neutral Test
___ Other (Explain in Remarks)

Remarks: This area represents a low-spot along a drainage that passes through a relatively level field

MW048

SOILS

Map Unit Name (Series and Phase): EnC2 Exeter sandy loam, eroded — Drainage Class: ____

Taxonomy (Subgroup): ____ — Field Observations: Confirm Mapped Type? (Yes) No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
24"	A	2.5Y 3/3	0	0	Sandy loam

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks: Although the soil in the vicinity of this area is not listed as hydric, this is a low area along a drainage and as such collects water and remains wet for a considerably longer period of time than the surrounding area.

WETLAND DETERMINATION

Hydrophytic Vegetation Present? (Yes) No (Circle)
Wetland Hydrology Present? (Yes) No
Hydric Soils Present? Yes (No)

(Circle)
Is this Sampling Point Within a Wetland? Yes No

Remarks: This low spot along a drainage has soils consistent with the surrounding area which is not hydric, however, this area collects water and remains wet long enough to support hydrophytic vegetation. It therefore has wetland vegetation and hydrology, and due to its low lying topography, should be considered a wetland

Approved by HQUSACE 2/92

MW051

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: Menifee
Applicant/Owner: Calpine
Investigator: Bob Anderson

Date: 6/21/01
County: Riv
State: CA

Do Normal Circumstances exist on the site? Yes (No)
Is the site significantly disturbed (Atypical Situation)? (Yes) No
Is the area a potential Problem Area? Yes (No)
(If needed, explain on reverse.)

Community ID:
Transect ID:
Plot ID:

VEGETATION

Dominant Plant Species	Stratum	Indicator
1. Bromus rubens	herb	ni
2. Cynodon dactylon	herb	Fac
3. Polygonum aviculare	herb	fac
4. Ambrosia psylostachys	herb	Fac
5. Helianthus annuus	herb	Fac-
6. Brassica nigra	herb	not listed
7. Salsola tragus	herb	fac u
8. Hemizonia fasciculata	herb	not listed

Dominant Plant Species	Stratum	Indicator
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 38%

Remarks: Only 38% of the dominant plant are hydrophytic and at best, the remainder are fac. This is not a good case for a wetland

HYDROLOGY

___ Recorded Data (Describe in Remarks):
___ Stream, Lake, or Tide Gauge
___ Aerial Photographs
___ Other
___ No Recorded Data Available

Field Observations: no water encountered

Depth of Surface Water: 0 (in.)
Depth to Free Water in Pit: — (in.)
Depth to Saturated Soil: — (in.)

Wetland Hydrology Indicators:
Primary Indicators:
___ Inundated
___ Saturated in Upper 12 Inches
X Water Marks
___ Drift Lines
___ Sediment Deposits
___ Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
___ Oxidized Root Channels in Upper 12 Inches
___ Water-Stained Leaves
___ Local Soil Survey Data
___ FAC-Neutral Test
___ Other (Explain in Remarks)

Remarks: This is a low lying area that collects water but due to the sandy loam soil, it probably does not stay wet long enough to be considered a wetland

MW051

SOILS

Map Unit Name (Series and Phase): EnC2-Exeter sandy loam, eroded

Drainage Class: _____

Field Observations Confirm Mapped Type? (Yes) No

Taxonomy (Subgroup): _____

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
8"	A	5YR 3/3	0	0	sandy loam

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks: This area is low lying and has sandy loam soils. These soils most likely drain quickly

WETLAND DETERMINATION

		(Circle)
Hydrophytic Vegetation Present?	Yes (No)	
Wetland Hydrology Present?	Yes (No)	
Hydric Soils Present?	Yes (No)	
Is this Sampling Point Within a Wetland?		(Yes) No

Remarks: This is a low lying sand loam site that collects water. However it probably drains quickly due to the sandy soils so that hydrophytic vegetation is not supported and hydric soils are not developed

Approved by HQUSACE 2/92

BLO-1

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: Menifee
Applicant/Owner: CalPine
Investigator: Bob Anderson

Date: 6/26/01
County: Riv
State: CA

Do Normal Circumstances exist on the site? Yes (No)
Is the site significantly disturbed (Atypical Situation)? (Yes) No
Is the area a potential Problem Area? Yes (No)
(If needed, explain on reverse.)

Community ID:
Transect ID:
Plot ID:

VEGETATION

Dominant Plant Species	Stratum	Indicator
1. Cirsium vulgare (ill Thistle)	herb	FACU
2. Cynodon dactylon (Bermudagrass)	herb	FAC
3. Rumex crispus	herb	FACW-
4. Typha latifolia	herb	OBL
5. Leptochloa uninervia (+ Sprangletop)	herb	FACW
6. Paspalum dilatatum (Mascgrass)	herb	FAC
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 83%

Remarks:

HYDROLOGY

___ Recorded Data (Describe in Remarks):
___ Stream, Lake, or Tide Gauge
___ Aerial Photographs
___ Other
___ No Recorded Data Available

Field Observations:

Depth of Surface Water: 0 - 12 (in.)
Depth to Free Water in Pit: ____ (in.)
Depth to Saturated Soil: 0 (in.)

Wetland Hydrology Indicators:
Primary Indicators:
X Inundated
X Saturated in Upper 12 Inches
X Water Marks
X Drift Lines
___ Sediment Deposits
X Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
___ Oxidized Root Channels in Upper 12 Inches
X Water-Stained Leaves
___ Local Soil Survey Data
___ FAC-Neutral Test
___ Other (Explain in Remarks)

Remarks: This site has a ditch w/ standing water that opens out onto a broad, saturated grass, area. ?

— LM NOTES 5/26/02
FEATURE HAS BEEN MOWED, DISCED + PLOWED. FIELD SITE VISIT W/ ACOE (R. SMITH) ID AREA AS ISOLATED MAN-MADE —

BL01

SOILS

Map Unit Name (Series and Phase): MaA Madera fine sandy loam Drainage Class: _____

Field Observations Confirm Mapped Type? Yes No

Taxonomy (Subgroup): _____

Profile Description: Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks: No pit was dug due to standing water supporting hydrophytic vegetation

WETLAND DETERMINATION

Hydrophytic Vegetation Present? (Yes) No (Circle)
Wetland Hydrology Present? (Yes) No
Hydric Soils Present? Yes No

Is this Sampling Point Within a Wetland? (Circle) Yes No

Remarks: This area has enough runoff to maintain standing water and hydrophytic vegetation. The water source appears to be a combination of urban, agricultural and natural ~~sources~~. This site is an obvious wetland.

Approved by HQUSACE 2/92

BLO-2

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: Menifee
Applicant/Owner: Calpine
Investigator: Bob Anderson

Date: 6/26/01
County: Riv.
State: CA

Do Normal Circumstances exist on the site? Yes (No)
Is the site significantly disturbed (Atypical Situation)? (Yes) No
Is the area a potential Problem Area? Yes (No)
(If needed, explain on reverse.)

Community ID:
Transect ID:
Plot ID:

VEGETATION

Dominant Plant Species	Stratum	Indicator
1. Malva leprosa	herb	FAC
2. Cynodon dactylon	herb	FAC
3. Leptochloa uninervia	herb	FACW
4. Polypogon monspielensis	herb	FACW+
5. Rumex crispus	herb	FACW
6. Brassica nigra	herb	not listed
7.		
8.		

Dominant Plant Species	Stratum	Indicator
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 83%

Remarks:

HYDROLOGY

___ Recorded Data (Describe in Remarks):
___ Stream, Lake, or Tide Gauge
___ Aerial Photographs
___ Other
___ No Recorded Data Available

Field Observations:

Depth of Surface Water: 2" (in.)
Depth to Free Water in Pit: ____ (in.)
Depth to Saturated Soil: ____ (in.)

Wetland Hydrology Indicators:
Primary Indicators:
X Inundated
X Saturated in Upper 12 Inches
X Water Marks
X Drift Lines
___ Sediment Deposits
___ Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
___ Oxidized Root Channels in Upper 12 Inches
___ Water-Stained Leaves
___ Local Soil Survey Data
___ FAC-Neutral Test
___ Other (Explain in Remarks)

Remarks: Ditches with standing water on both sides of Road (McLaughlin Rd)

B10-2

SOILS

Map Unit Name (Series and Phase): EnA Exeter sandy loam / PlB Placentia fine sandy loam

Drainage Class: _____

Field Observations Confirm Mapped Type? Yes No

Taxonomy (Subgroup): _____

Profile Description: Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chrome Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks: No pit was dug due to standing water and saturated soil with hydrophytic vegetation

WETLAND DETERMINATION

Hydrophytic Vegetation Present? (Yes) No (Circle)
Wetland Hydrology Present? (Yes) No
Hydric Soils Present? Yes No

Is this Sampling Point Within a Wetland? (Circle) Yes No

Remarks: Even though The EnA & PlB soils are usually well drained, This area is low and receives enough off season run off to maintain standing water or saturated conditions as well as support hydrophytic vegetation to be considered a wetland

--LM NOTES 5/26/02

FEATURES HAVE BEEN GRADED, DISCED, AND PLOWED. PER SITE VISIT W/ ACOE (R. SMITH) ID AREA AS ISOLATED AND NON-JURIS

Approved by HQUSACE 2/92

ATTACHMENT V

Biological Resources – Summary of Findings for Special Status Species

INLAND EMPIRE ENERGY CENTER

Biological Resources – Summary of Findings for Special Status Species

Threatened, endangered, or other special status species are those species with regulatory protection under the Federal Endangered Species Act, the California Endangered Species Act, the Migratory Bird Treaty Act, and other local policies or ordinances protecting biological resources. To identify special-status species in the project vicinity, qualified biologists working for Foster Wheeler Environmental Corporation queried the California Natural Diversity Database Rarefind database for the Perris, Romoland, Lakeview, Sunnymead, and El Casco USGS 7.5-minute topographic quadrangles for the project area. Available information was reviewed from resource management plans and other documents containing information on biological resources in the project study area. These documents were reviewed to determine the locations and types of biological resources that could exist in the project study area. Additionally, private local species experts and resource specialists from the California Department of Fish and Game (CDFG) and U.S. Fish and Wildlife Service (USFWS) were contacted to gather file information on biological resources in the project study area, including maps and database information.

The USFWS office in Carlsbad, California was contacted in April 2001 for a list of Threatened, Endangered, and other Special Status Species potentially present in the project study area. Carlsbad responded on May 25, 2001 with a species list. The CDFG Eastern Sierra, Inland Desert Region 6 office was contacted in April 2001 for a list of Threatened, Endangered, and other Special Status Species potentially present in the project study area. The Eastern Sierra, Inland Desert Region 6 office responded May 15, 2001 with a species list.

The species lists and literature review were augmented and refined by site assessment activities, and informal consultation with USFWS, CDFG, and through discussions with plant and wildlife specialists with knowledge of the project study area. No special-status plant species are known to occur within the project study area. Special-status animal species identified by USFWS or the CDFG as potentially occurring within the study area include vernal pool fairy shrimp and the Stephens' Kangaroo Rat.

Biological impacts have been minimized to the maximum extent practicable by siting facilities away from sensitive habitats, in an area zoned for industrial development, within disturbed agricultural fields, and adjacent to existing roads. The Inland Empire Energy Center (IEEC) project and compressor station sites will be located in existing agricultural areas. The linear facilities have been sited within, and adjacent to existing roadways, in an industrial/residential setting. In addition to the mitigation measures incorporated into the project design, the Applicant proposes the following mitigation measures to reduce potential impacts to biological resources to a level of insignificance.

Designated Project Biologist

The Applicant will designate a project biologist to manage all biological resource conditions of certification.

Employee Environmental Awareness Program

The Applicant will develop and institute an Employee Environmental Awareness Program to inform construction and operations workers about potential biological resource issues associated with the project.

Stevens' Kangaroo Rat (SKR)

Direct impacts to SKR or its occupied habitat are not expected. No occupied habitat was observed during SKR and San Bernardino kangaroo rat site assessments and focused surveys during June 2001. Nonetheless, the Applicant will provide funds for impacts to historic SKR habitat in the Fee Area in accordance with the requirements of the Habitat Conservation Plan (HCP) for the SKR. The HCP is a 30-year plan designed to acquire and permanently set-aside, maintain, manage and fund conservation, preservation, restoration and enhancement of the SKR and its habitat.

The Riverside County HCP, with its designated Fee Areas, establishes a regional mechanism in western Riverside County through which otherwise lawful activities resulting in the incidental take of SKR meet Federal Endangered Species Act and California State Endangered Species Act requirements without the need to secure individual permits and agreements from the USFWS and the CDFG. The entire IEEC project area is included in the SKR HCP Fee Area.

- Formal correspondence with USFWS, CDFG, and the Riverside County Habitat Conservation Agency (dated 11/9/01, 9/27/01, and 10/17/01 respectively) documented a permit for take of SKR acquired in 1996. The permit is valid for 30 years and allows take of SKR within the HCP covered areas. As mitigation for impacts to SKR within covered areas, fees shall be collected on a per acre basis prior to the issuance of grading permits.
- The entire IEEC project area is within the SKR HCP covered fee area and is subject to a $500.00 per acre fee, payable to the Riverside County Habitat Conservation Agency. Payment of the fee will fully mitigate all impacts to SKR, and since the lead agency and all cooperating agencies have complied with the requirements of the HCP consultation for SKR can be completed informally.

Construction of the proposed project within the lands covered in the SKR HCP fee area may affect, but is not likely to adversely affect, SKR.

Vernal Pool Fairy Shrimp

Direct impacts to vernal pool fairy shrimp or its occupied habitat are not expected. Vernal pool fairy shrimp may potentially inhabit naturally occurring vernal pools and manmade

depressions. Vernal pool fairy shrimp may occur in manmade depressions along the new electrical transmission line alignment. The presence of this species is not known to occur in the project area, but wet season surveys are still ongoing. The completed dry season survey results do not indicate the presence of vernal pool fairy shrimp in the project area. Furthermore, no Rarefind records have ever documented vernal pool fairy shrimp within the project area, and there are no known naturally occurring vernal pools within the project area. Additionally, the roadside depressions that could provide potential habitat for vernal pool fairy shrimp have been mapped by IEEC biologists. No vernal pools were observed in the project vicinity.

Although vernal pool fairy shrimp has not been observed at the site, the IEEC project has the potential to injure or kill vernal pool fairy shrimp or their cysts. Road grading and electrical transmission line and natural gas pipeline installation may affect the water regime of human-made depressions. Any change of the duration of inundation of habitat features (e.g. human-made depressions along road shoulders in utility corridors) could potentially affect the reproductive success of any branchiopod species present. Even erosion associated with road building or utility maintenance activities can contaminate habitat features through the transport and deposition of sediments into these areas. In addition, roads, permanent utility features or other changes in drainage patterns could result in an increase in surface runoff and conversion of habitat features. Off-road vehicle use and other recreational activities which have been documented in the project area associated with humans can lead to wheel ruts, soil compaction, increased siltation, destruction of native vegetation, and an alteration of pool/human-made depression hydrology.

- To the extent possible IEEC will attempt to avoid all manmade depressions that could provide potential habitat for vernal pool fairy shrimp by placing features outside of watershed boundaries.
- Ephemeral drainages and manmade depressions will be restored to pre-construction topography/contours and compaction immediately following construction and installation activities. Furthermore, the proposed disturbance to such features will not affect (i.e., act as a barrier) existing surrounding hydrologic conditions.
- If avoidance isn't possible the Applicant will compensate for habitat loss through acquisition of lands in pre-approved compensation areas. The Applicant will provide funds to purchase vernal pool habitat from a USFWS approved mitigation bank for project impacts.

In sum, it is expected that construction of the proposed IEEC project could potentially impact approximately 0.007 acres of vernal pool fairy shrimp habitat (i.e., 30-foot by 10-foot human-made depression). Therefore, given the low potential for impact to individuals and occupied habitat, coupled with the compensation and mitigation for impacts to manmade depressions, the IEEC project may affect, but is not likely to adversely affect, vernal pool fairy shrimp.

More detail regarding survey methods/protocols, description of sensitive plant and wildlife species, and potential impacts to sensitive species is provided in the Biological Assessment (BA) prepared for the proposed project. The BA will be submitted to the USFWS as part of the Section 7 consultation process under the Federal Endangered Species Act for issuance of a Biological Opinion.

ATTACHMENT VI

CDFG Letter

STATE OF CALIFORNIA - THE RESOURCES AGENCY GRAY DAVIS, *Governor*

DEPARTMENT OF FISH AND GAME
Eastern Sierra - Inland Deserts Region
4775 Bird Farm Road
Chino Hills, CA 91709
Phone (909) 597-4144
Fax (909) 597-0067

9 May 2002

Mr. Lenny Malo
Foster Wheeler Environmental Corp.
1940 E. Deere Ave., Suite 200
Santa Ana, CA 92705

RE: Inland Empire Energy Center Project

Dear Mr. Malo:

This correspondence serves as California Department of Fish and Game (Department) formal notice that we will not require a Streambed Alteration Agreement for the proposed Inland Empire Energy Center (IEEC) Project. Based on the Department's November 14, 2001 correspondence from Ms. Yvonne Moore, the pre-application meeting, and project map and photo review on April 23, 2002, the Department believes that impacts to biological resources will be less than significant. However, the Department requires that all terms and conditions identified in Nationwide Permit issued by the Army Corps of Engineers, and Department Code 3503.5 be implemented during construction and operation of the IEEC and its associated linear facilities.

If you have any questions regarding this determination, contact Juan Hernandez at (909) 614-1936.

Sincerely,

Juan Hernandez
Environmental Scientist
Habitat Conservation Planning, Region 6

CALPINE

4160 Dublin Blvd.
Dublin, Ca. 94568
925-479-6600
925-479-7307 (FAX)

May 17, 2002

Ms. Kelly Schmoker
California Regional Water Quality Control Board
Santa Ana Region
3737 Main Street, Suite 500
Riverside, CA 92501-3348

SUBJECT: Inland Empire Energy Center – Request for Section 401 Water Quality Certification and Report of Waste Discharge Requirements

Dear Ms. Schmoker:

Inland Empire Energy Center, LLC, a wholly owned subsidiary of Calpine Corporation, is proposing to construct a 670-megawatt (MW) power plant in an unincorporated portion of Riverside County, California (see Attachment II for regional project location). More specifically, the proposed Inland Empire Energy Center (IEEC) power plant project will be located on an approximately 46-acre parcel in Section 14, Township 5 South, Range 3 West near the unincorporated community of Romoland, Riverside County (see Attachment II). The proposed project will add much needed reliability to a control area subject to peak capacity losses and load shedding. IEEC also will reduce real and reactive system losses, improve area transmission voltage levels, and greatly improve the reactive margin in the area. Construction of the proposed project is expected to begin in early 2003 and end during approximately the first quarter of 2005 (thus lasting about 24 months total).

Inland Empire Energy Center, LLC is requesting that the Regional Water Quality Control Board, Santa Ana Region, grant a Section 401 Water Quality Certification under the Clean Water Act for the project. (Attachment I contains Inland Empire Energy Center, LLC's application for Water Quality Certification.) This submittal also serves as a report of waste discharge prepared in accordance with the requirements of California's Porter-Cologne Act.

The proposed project will not result in the permanent loss of any wetlands under the jurisdiction of the California Regional Water Quality Control Board. More specifically, no permanent above-grade fills (including access roads and ancillary facilities) would be constructed within any wetlands under the jurisdiction of the State.

It is estimated however that a total of approximately 0.145 acres of temporary surface disturbance would occur within jurisdictional waters as a result of construction activities. Furthermore, it is estimated that a total of approximately 0.014 acres of jurisdictional waters would be permanently affected (i.e., net loss) as a result of the construction of project-related facilities. Permanent impacts to jurisdictional waters would result from the installation of foundations associated with the construction of the proposed 500 and 115 kilovolt (kV) electrical transmission lines (see Attachment III). Finally, the topography within jurisdictional waters temporarily affected will be restored to pre-construction conditions after construction is complete.

Attachment IV to this application includes a line list that describes each affected jurisdictional water. This line list is keyed to the Water Crossing Map that is included as Attachment III to this application. The "Water ID Number" assigned to each respective feature (i.e., W-1 through W-5) in the first column of the Attachment IV line list corresponds to the same number labeled on the Attachment III Water Crossing Map. The line list characterizes each jurisdictional water and wetland crossing, and includes, among other things, the name of the feature (if applicable); milepost location; width of the feature; acreage impacted; legal description; vegetation composition; and proposed construction method across each jurisdictional feature.

It should be noted that estimated impacts to jurisdictional waters are worst-case/conservative estimates, and actual levels of disturbance will likely be less than reported herein. It should also be noted that the potable water, sanitary sewer, recycled water, and non-reclaimable wastetwater pipelines will all affect Water I.D. No. 5 within the same construction corridor that equates to the existing 88-foot-wide Antelope Road right-of-way. Thus, the estimates reported below (i.e., 0.004 acres) under "Project Description" regarding estimated acreage of disturbance to jurisdictional waters (i.e., Water I.D. No. 5) within the Antelope Road right-of-way is inclusive of all four of the above-referenced pipeline facilities.

The location of all jurisdictional waters in relation to project facilities is shown on the Water Crossing Map included as Attachment III to this submittal. Furthermore, Attachment IV to this submittal, which includes a line list of affected waters, also provides (in addition to the items listed above), the estimated amount of disturbance, both temporary and permanent, to waters of the U.S. for each respective project-related facility. The width of jurisdictional features was verified through field reconnaissance and the use of aerial imagery by qualified biologists.

The following materials are enclosed for your reference as part of this application for Section 401 Water Quality Certification under the Clean Water Act:

- Application for Section 401 Water Quality Certification (Attachment I)
- Regional Location Map (Attachment II)
- Water Crossing Map (Attachment III)
- Line List of Affected Waters (Attachment IV)
- Biological Resources – Summary of Findings for Special Status Species (Attachment V)
- Photographs of Waters of the U.S. keyed to Water Crossing Map (Attachment VI)
- Letter from California Department of Fish and Game (CDFG) exempting the project from the requirements of 1601 or 1603 of CDFG's code (Attachment VII)

In August 2001, Inland Empire Energy Center, LLC filed an Application for Certification (AFC) with the California Energy Commission (CEC). The AFC has been prepared to address the requirements under the California Environmental Quality Act (CEQA). The CEC is the lead agency for purposes of CEQA compliance.[1] The CEC is currently reviewing the AFC, and public workshops have been held – and will continue to be conducted as needed – to address resource-specific issues

[1] The environmental review component of the CEC's project review process has been deemed the functional equivalent of the CEQA review process. (CEQA Guidelines Section 15251(k)).

identified by CEC staff. Inland Empire Energy Center, LLC expects that IEEC will be certified no later than December 2002.

Project Description

IEEC Site

Approximately 35 acres are required to accommodate the power plant and associated facilities, including the parking area, administration building, control building, water treatment building, storage tanks, generation facilities, emission control equipment, and site switch yard. The proposed project will convert approximately 35 acres of the approximately 46-acre project site from agricultural land to industrial uses. Applicant currently does not have plans for the use of the remaining 11 acres. The IEEC project site itself (i.e., 35-acre site footprint and remaining 11 acres) will not affect any jurisdictional waters or wetlands.

Electrical Transmission Line Upgrade

The proposed project will be connected to the existing Southern California Edison (SCE) transmission system at SCE's existing Valley Substation located approximately 0.9 miles east of the project site. A new, approximately 0.9-mile long, 500 kV transmission line will be constructed to connect the proposed project switchyard to the existing SCE Valley substation. The interconnection to the SCE transmission system will be at an on-site switchyard. The proposed 500 kV transmission line will be located within an existing SCE power line easement. Installation of the transmission line will utilize existing access roads, some of which are currently used to maintain SCE's existing transmission lines. Therefore, no new access roads, permanent or temporary, would be required to construct or maintain the proposed 500 kV line.

Spacing of the new towers associated with the proposed 500 kV transmission line upgrade will provide the required distance between new conductors and existing transmission lines and nearby roads and railroads. Foundations for the transmission line towers will consist of single concrete piers reinforced to withstand design loads. Foundation piers are constructed by augering a hole of appropriate diameter and depth, placement of a cage of reinforcing steel in the augered hole, and filling the hole with high-strength concrete to the appropriate elevation. No anchor guys would be utilized to support the proposed steel lattice structures.

Based on design criteria for 500 kV electrical transmission line systems, it is estimated that construction of the proposed 500 kV transmission line would result in approximately 0.065 acres of temporary disturbance, and a total of approximately 0.013 acres of permanent loss of jurisdictional waters (resulting from installation of the transmission line tower foundations). The transmission line will not affect any jurisdictional wetlands.

Natural Gas Supply Pipeline

Inland Empire Energy Center, LLC proposes to construct a 0.9-mile long buried natural gas pipeline that would supply natural gas to the proposed power plant site. The proposed 20-inch diameter natural gas supply pipeline would be buried within a trench to allow minimum cover of 6 feet. The temporary construction corridor would measure approximately 75 feet in width, 30 feet of which Inland Empire Energy Center, LLC proposes retain as a permanent easement for operation and maintenance purposes.

As described in the line list of affected waters (see Attachment IV), installation of the proposed natural gas supply pipeline will result in approximately 0.026 acres of temporary disturbance. Installation of the proposed natural gas supply pipeline will not permanently affect any jurisdictional waters or wetlands.

Non-Reclaimable Wastewater Pipeline

Wastewater high in total dissolved solids (TDS) will be discharged to the Eastern Municipal Water District's (EMWD) existing non-reclaimable wastewater system via a new 12- to 18-inch diameter, 4.7-mile long, buried non-reclaimable wastewater pipeline. The pipeline will be constructed within unimproved rights-of-ways of Antelope Road and McLaughlin Road, and within the pavement of Murrieta Road. No temporary or permanent access roads will be required. The construction corridor for this facility would measure 88 feet in width (i.e., the total width of the existing Antelope Road right-of-way).

It is estimated that construction of the proposed non-reclaimable wastewater pipeline would result in approximately 0.004 acres of temporary disturbance to jurisdictional waters (calculation assumes the entire width of the existing Antelope Road right-of-way will be temporarily disturbed across Water I.D. No. 5). Installation of the non-reclaimable wastewater pipeline will not result in the permanent loss of any jurisdictional waters or wetlands.

Recycled Water Pipeline

The EMWD will deliver recycled water to the project via a new buried 0.1-mile long, 12 to 24-inch diameter recycled water pipeline interconnection within the Antelope Road right-of-way. The proposed pipeline interconnection will convey water from EMWD's existing 48-inch recycled water pipeline located in McLaughlin Road and generally southwest of the project site's southern boundary.

This particular facility would impact Water I.D. No. 5 within the same construction corridor as the non-reclaimable wastewater pipeline. Thus, the calculation of impacts to jurisdictional waters (i.e., 0.004 acres total/inclusive) for this facility is included as part of the calculation for the non-reclaimable wastewater pipeline. Installation of the recycled water pipeline will not result in the permanent loss of any jurisdictional waters or wetlands.

Potable Water Pipeline

Inland Empire Energy Center, LLC proposes to construct a buried 0.5-mile long potable water supply pipeline that will supply potable water to the project that meets regulatory standards for safe drinking water. The new potable water supply pipeline will be constructed within the existing Antelope Road right-of-way and will connect to existing EMWD potable water lines located north and south of the project site.

This pipeline facility would cross Water I.D. No. 5 within the same construction corridor as the non-reclaimable wastewater pipeline. Thus, the calculation of impacts to jurisdictional waters (i.e., 0.004 acres total/inclusive) for this facility is included as part of the calculation for the non-reclaimable wastewater pipeline. Installation of the potable water pipeline will not result in the permanent loss of any jurisdictional waters or wetlands.

Sanitary Sewer Pipeline

As part of the proposed project, Inland Empire Energy Center, LLC plans to construct an approximately 0.2-mile long sanitary sewer pipeline interconnection within the existing right-of-way of Antelope Road. This system will collect wastewater from sinks, toilets, showers, other sanitary facilities, and backwash wastewater from the microfiltration system. The new sanitary sewer pipeline interconnection will connect to and convey water from an existing EMWD pipeline located south of the project site.

This facility too would impact Water I.D. No. 5 within the same construction corridor as the non-reclaimable wastewater pipeline. Thus, the calculation of impacts to jurisdictional waters (i.e., 0.004 acres total/inclusive) for this facility is included as part of the calculation for the non-reclaimable wastewater pipeline. Installation of the proposed sanitary sewer pipeline will not result in the permanent loss of any jurisdictional waters or wetlands.

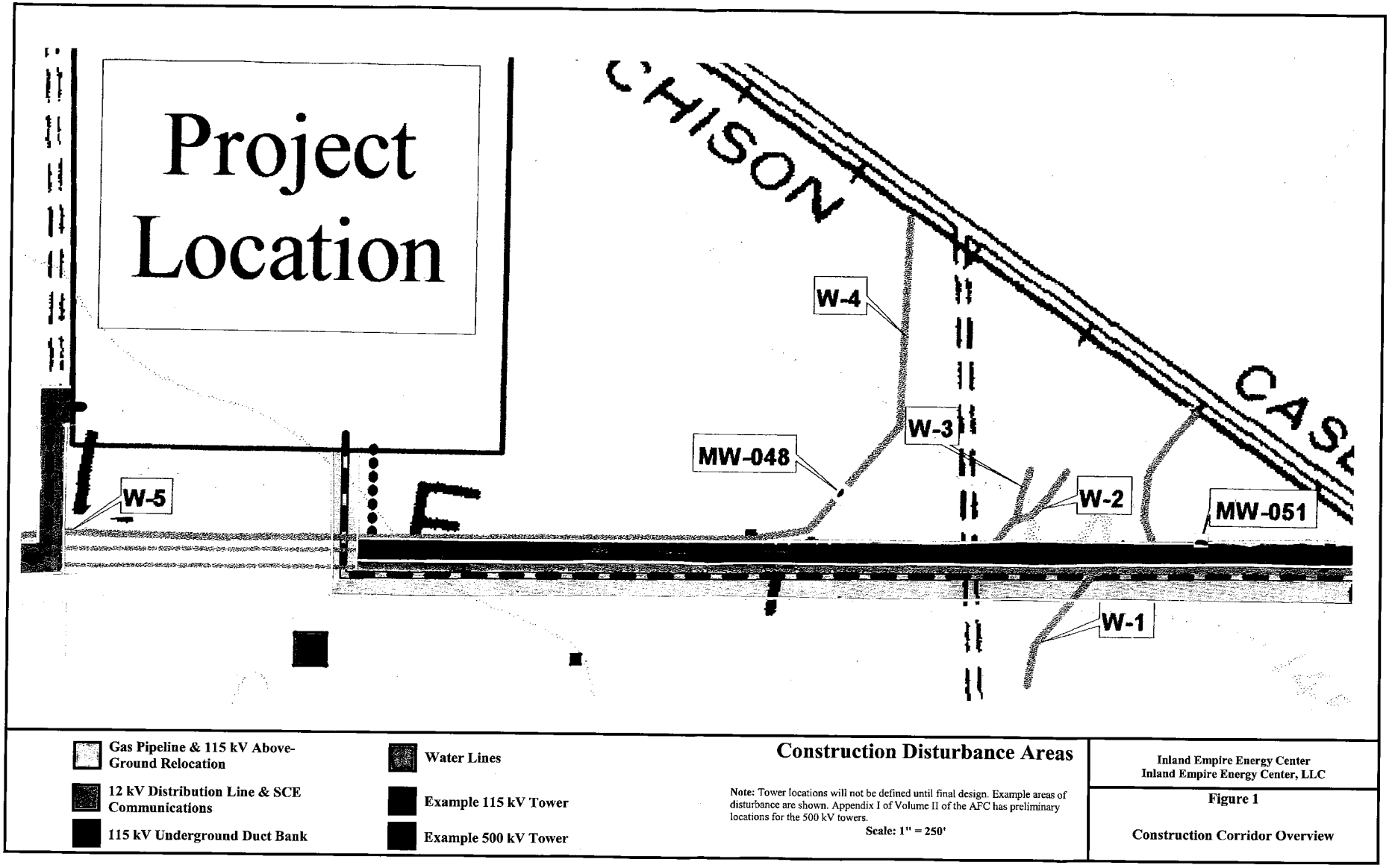
Relocating SCE's Existing Electrical Lines

As part of the proposed project, Inland Empire Energy Center, LLC would relocate the existing double circuit 115 kV electrical lines and the 12 kV distribution and SCE communications lines.

Alternative 1 is to remove SCE's existing 115 kV aboveground transmission lines that parallel the north side of McLaughlin Road and bury these lines immediately south of their existing alignment (see Figure 1). The undergrounding of SCE's existing 115 kV electrical transmission lines would require a construction corridor approximately 75 feet wide. Thus, this activity would result in the temporary disturbance of approximately 0.034 acres of jurisdictional waters. This particular activity would not result in the permanent loss of any jurisdictional waters or wetlands.

The proposed project also would include the burying of an existing 12 kV subtransmission line and SCE communications line that is currently located along SCE's existing 115 kV alignment. SCE's existing 12 kV line would be relocated along the south side of the McLaughlin Road right-of-way. This activity would result in potential temporary disturbance of 0.007 acres of jurisdictional features. There would be no permanent loss of any jurisdictional waters or wetlands as a result of relocating and burying SCE's existing 12 kV subtransmission line.

Alternative 2 is to relocate the existing aboveground SCE 115 kV transmissions lines to aboveground lines in the right of way south of McLaughlin Road in the same right-of-way as the natural gas pipeline. The area of temporary disturbance would be the same as for the natural gas pipeline. The project anticipates the 115 kV transmission towers could be located to avoid any permanent disturbance to jurisdictional waters; however, this line has not been designed and the tower locations are uncertain. To be conservative, 0.001 acres of permanent disturbance has been estimated for Alternative 2.



Construction Disturbance Areas

Note: Tower locations will not be defined until final design. Example areas of disturbance are shown. Appendix I of Volume II of the AFC has preliminary locations for the 500 kV towers.

Scale: 1" = 250'

Inland Empire Energy Center
Inland Empire Energy Center, LLC

Figure 1

Construction Corridor Overview

Summary

Jurisdictional Water Resources

No jurisdictional wetlands were identified in the project area. Therefore, the proposed project will not result in the permanent loss of any jurisdictional wetlands. More specifically, no permanent above-grade fills (including access roads and ancillary facilities) would be constructed within any jurisdictional wetlands or riparian area.

The proposed project crosses a total of five (5) jurisdictional waters (i.e., ephemeral drainages). It is estimated that a total of 0.145 acres of temporary surface disturbance would occur within jurisdictional waters as a result of proposed construction activities. Of this amount, it is estimated that there would be a net permanent loss of approximately 0.014 acres of jurisdictional waters resulting from the installation of the new foundations associated with the new 500 kV transmission line towers and Alternative 2 for relocating the 115 kV transmission lines aboveground. These estimates are worst case and include impacts for relocating SCE's 115 kV line for both alternatives. In final design Alternative 1 or 2 will be selected. Where ephemeral washes are to be crossed by trenching (i.e., pipeline construction), preconstruction contours and compaction will be restored after the installation is complete.

Inland Empire Energy Center, LLC will submit an application to the U.S. Army Corps of Engineers (Los Angeles District) requesting a Section 404 Nationwide Permit No. 12 under the Clean Water Act. Inland Empire Energy Center, LLC will provide a copy of the approved Section 404 permit to your office once it is received.

Finally, a Storm Water Pollution Prevention Plan (SWPPP) will be implemented as part of the proposed project in support of the project's Section 402/National Pollutant Discharge Elimination System Permit. The SWPPP will be completed prior to project construction. Furthermore, a Spill Prevention, Containment, and Countermeasure (SPCC) Plan also will be implemented as part of the proposed project. The SWPPP and SPCC Plan will be revised as necessary and copies will be kept at the construction site.

Biological Resources

Inland Empire Energy Center, LLC is required to comply with Section 7 of the Endangered Species Act of 1973 as amended (16 U.S. Codes 1531 et seq) by consulting with the United States Fish and Wildlife Service. This consultation process will ensure that no action authorized, funded, or carried out by a federal agency jeopardizes the continued existence of a federally listed endangered or threatened species or result in the destruction or adverse modification of any designated critical habitat of a federally listed species. Informal consultation was initiated with U.S. Fish and Wildlife Service (USFWS) and CDFG in April 2001.

On April 23, 2002, project representatives participated in a pre-application meeting with staff from the CDFG. During that meeting, CDFG staff reported that the proposed project is not subject to the requirements of Section 1601 or 1603 of CDFG's Code. Thus, the Applicant is not required to obtain a Streambed Alteration Agreement from CDFG for the proposed project. A copy of the letter of exemption issued by CDFG is included as Attachment VII.

Impacts to biological resources have been minimized to the maximum extent practical by eliminating the Alternative B Moreno Valley Gas Pipeline route and also by siting facilities away from sensitive

habitats (e.g., locating facilities within disturbed agricultural fields, within or adjacent to existing roads, etc.). In addition to the mitigation measures incorporated into the project design, the Applicant has proposed the following mitigation measures to reduce potential impacts to biological resources to a level of insignificance:

- The Applicant will designate a project biologist to manage all biological resource conditions of certification.
- The Applicant will develop and institute an Employee Environmental Awareness Program to inform construction and operations workers about biological resources associated with the project.
- The Applicant will provide funds for impacts to historic Stephen's kangaroo rat (SKR) habitat within the Fee Area in accordance with the requirements of the County's Habitat Conservation Plan for SKR.
- The Applicant will consult with the USFWS under Section 7 of the Endangered Species Act to address potential impacts to vernal pool fairy shrimp; a Biological Assessment will be submitted to the USFWS for issuance of a Biological Opinion. Construction of the proposed IEEC project could potentially affect approximately 0.007 acres of fairy shrimp habitat. If avoidance of this species isn't possible, the Applicant will compensate for habitat loss through acquisition of lands in pre-approved compensation areas. The Applicant will provide funds to purchase vernal pool habitat from a USFWS approved mitigation bank for project impacts.

Attachment V ("Biological Resources-Summary of Findings for Special Status Species"), provides a summary of findings regarding special status species.

Cultural Resources

As noted in footnote 1, the CEC environmental review process under the Warren-Alquist Act is considered functionally equivalent to that of CEQA. CEQA and its implementing regulations state that "public agencies should seek to avoid damaging effects on an archaeological resources whenever feasible" (CEQA Guidelines Section 15064.5).

CEQA also requires review to determine if a project will have a significant effect on archaeological sites or properties of historic or cultural significance to a community or ethnic group listed or eligible for inclusion on the California Register of Historic Resources. Inland Empire Energy Center, LLC will comply with applicable CEQA requirements, as well as Nationwide Permit Condition 12 to ensure that the requirements of the Federal National Historic Preservation Act are met, and potential impacts to historic resources avoided or minimized.

No archaeological sites have been identified within the area of potential effect of the proposed energy center site or ancillary facilities, either through archival research or pedestrian surveys. Three potential historic resource sites have been identified and are presently under evaluation for eligibility listing on the California Register of Historic Places. All of these sites are located north of the proposed power plant site, well away from any identified jurisdictional water resources. Nonetheless, consultations with the State Historic Preservation Office will occur to ensure that impacts to sensitive resources are minimized, if required.

I appreciate your time and consideration regarding this matter. Please call Jenifer Morris at (562) 495-6040 if you have any questions or require additional information regarding this project.

Sincerely,

Michael Hatfield, Project Manager
Inland Empire Energy Center, LLC

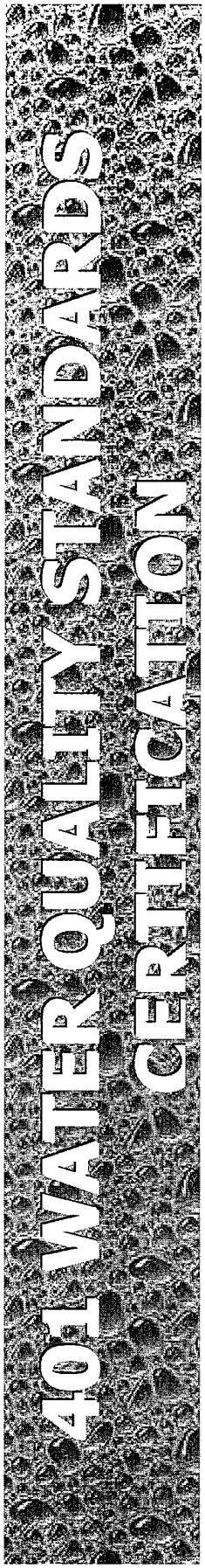
Enclosures

cc: Jenifer Morris, NJR, LLC
Richard Booth, Foster Wheeler Environmental
Court Morgan, Foster Wheeler Environmental

LIST OF ATTACHMENTS

ATTACHMENT I

Application for Section 401 Water Quality Certification



California Regional Water Quality Control Board
Santa Ana Region

Office Address:
3737 Main Street, Suite 500
Riverside, CA 92501-3348
401 Coordinator: Kelly Schmoker (909) 782-4990

Phone: (909) 782-4130
Fax: (909) 781-6288
http://www.swrcb.ca.gov/rwqcb8

Instructions: Provide all information on the form that applies to your project. *Filling out this form is not required*; a cover letter that includes this information is acceptable (including all the information described in this form will expedite the processing of your request). An electronic copy of this form in Word97/2000 or PDF is available at the following website: www.swrcb.ca.gov/rwqcb8/html/401.html. Attach additional sheets as necessary. **An incomplete application will delay the processing or receipt of the 401 certification.**

APPLICANT

Name	Michael Hatfield
Title	Project Manager
Company	Inland Empire Energy Center, LLC
Address	4160 Dublin Boulevard
City/State/Zip Code	Dublin, California 94568
Telephone Number	(925) 479-6716
Fax Number	(925) 479-7310
E-mail Address	mihatfield@calpine.com

AGENT (consultant)*

Name	Richard Booth
Title	Project Manager
Company	Foster Wheeler Environmental Corporation
Address	1940 E. Deere Ave., Suite #200
City/State/Zip Code	Santa Ana, California 92705
Telephone Number	(949) 756-7510
Fax Number	(949) 756-7562
E-mail Address	rbooth@fwenc.com

*Complete only if applicable

FILING FEE*

Amount $1,000

Is it attached? ____X____ yes _____ no

*Please refer to "Section 401 Water Quality Standards Certification Fee Schedule" to determine fee.

PROJECT DESCRIPTION (See "Instructions for Filling Out the Water Quality Standards Certification Application" for types of information needed). Also, please refer to "Contents of a Complete Section 401 Certification Application" for any clarification on items required.

Project Title: Inland Empire Energy Center.

Purpose/Goal: To construct and operate a facility for the production of economical, reliable, and environmentally sound electric energy and addition of capacity to meet California's current and growing energy needs.

Project Activities: Construction of a proposed 670-megawatt natural gas-fired combined cycle power plant and ancillary facilities (e.g., natural gas pipeline, non-reclaimable wastewater pipeline, etc.), in an unincorporated area of Riverside County, California (Section 14, Township 5, Range 3 West).

Is the fill/excavation or dredge activity for which 401 certification is sought part of a larger plan of development?

_____yes ____X____no

Proposed Schedule for fill/excavation or dredging activity (ies) (start-up, duration, and completion dates):

Construction of the proposed project is planned to begin in early 2003, with construction lasting about 24 months. Thus, it is expected that the proposed project will be completed approximately the 1st quarter of the year 2005.

If fill/excavation or dredge activity is plan of development, proposed schedule for that larger development (start-up, duration, and completion dates):

Not applicable.

Project location (If fill/excavation or dredge activity is part of a plan of development, a map of suitable quality and detail of the entire project site should be included):

City or Area: Unincorporated lands near community of Romoland (see Figure 3.2-1 of the AFC)
County: Riverside

Longitude/Latitude: See Attachment III for location of waters, & Attachment IV for line list of affected waters. General site location is as follows: Lat 33 deg 44 min, 13.5 secs : Long 117 deg, 10 min, 12.9 secs.

Township/Range/Section/Quadrangle: T5S/R3W/Section 14/Romoland USGS 7.5-minute Quad

Total size of area to be impacted by fill/excavation or dredge activity__0.145__acres __1386 maximum linear feet (if appropriate) ***Includes all associated linear facilities.**

RECEIVING WATER*

Name of Affected Water body(ies) and type(s) of receiving water body(ies)
Ephemeral drainages tributary to Ethanac Wash and ultimately the San Jacinto River (see Attachment III for Water Crossing Map, and Attachment IV for line list of affected waters of the U.S.).

Is receiving water(s) within the San Jacinto Watershed? __X__ yes _____ no

Major Tributary(ies) Ethanac Wash (flows generally in an east to west direction toward the San Jacinto River located east of the project).

*As listed in the *Water Quality Control Plan, Santa Ana Region* (Basin Plan). For unlisted waters, the major named tributary(ies) must be identified.

FILL/EXCAVATED* AREA

Indicate in ACRES and LINEAR FEET (where appropriate) the proposed **waters of the United States** to be impacted, and identify the impact(s) as permanent and/or temporary for each water body type listed below:

Wetland	0 acres of permanent	0 acres of temporary impact
	0 linear feet of permanent	0 linear feet of temporary impact
Riparian	0 acres of permanent	0 acres of temporary impact
	0 linear feet of permanent	0 linear feet of temporary impact
Streambed	0.014 max acres of permanent	0.145 max. acres of temporary impact
	127 max. linear feet of permanent	1386 max. linear feet of temporary impact
Lake	0 acres of permanent	0 acres of temporary impact
	0 linear feet of permanent	0 linear feet of temporary impact
Ocean	0 acres of permanent,	0 acres of temporary impact
	0 linear feet of permanent	0 linear feet of temporary impact

Indicate type(s) of material proposed to be discharged in waters of the United States:

Soil will be primary type of material temporarily discharged into waters of the U.S. Concrete used for construction of the 500kV transmission line tower foundations will be the other type of material discharged into waters of the U.S. (i.e., ephemeral drainages).

DREDGE VOLUME

Indicate in **CUBIC YARDS** the proposed **waters of the United States** to be impacted.

Not applicable cubic yards

Indicate type(s) of material proposed to be discharged in waters of the United States:

No dredging will occur as a result of the proposed project.

Note: Dredging generally includes removing sediment in deeper water to increase the depth. Impacts to beneficial uses are best described by the volume of sediment discharged. Dredging typically occurs to facilitate navigation and for aggregate extraction in marine waters.

FEDERAL PERMIT

File No.(s) (if known) — Not known at this time; will be provided once issued.

Individual - list Corps control number — Not applicable

Nationwide – list permit number — Section 404 Nationwide Permit No. 12

Does the project require any other Federal Application(s), Notification(s) or Correspondence?

___X__ yes (attach copy(ies)) _____ no (attach detailed explanation)
404 Permit Appl. Attached

CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA)

Indicate CEQA document (submit final or draft copy if available*) and Lead Agency:

An AFC has been filed with the California Energy Commission (CEQA Lead Agency) for the proposed project. The CEC is in the process of reviewing the AFC and preparing the CEQA document.

Has the document been certified/approved, or has a Notice of Exemption been filed? NO

If yes, date of approval/filing: _____ If no, expected **approval**/filing date: December 2002

If exempt, list section that applies (cite code) and explain exemption:

____NA_____

_____

_____

* Note: ample time must be provided to the Regional Board to properly review a final copy of valid CEQA documentation before certification can occur.

THREATENED OR ENDANGERED SPECIES

Please list the expected impacts and species
Attachment V provides a current summary of findings regarding special status species.

Is the project within the Stephens' Kangaroo Rat fee area? __X*__ yes _____ no
**Funds will be provided as compensatory mitigation for SKR, consistent with the terms of the Riverside County Habitat Conservation Plan for SKR.*

Is a Section 7 or 10 Consultation with the U.S. Fish and Wildlife Service necessary? __X__ yes _____ no

Has the U.S. Fish and Wildlife Service issued a Biological Opinion? _____ yes __X__ no

If yes, list date Opinion was issued _____

MITIGATION FOR IMPACTS TO WATER QUALITY STANDARDS

Please identify the pollutants that may be associated with the proposed development. Describe the short- and long-term water quality impacts on the receiving waters and downstream waters that may result from discharge of these pollutants.

Pollutants that could potentially enter waters of the U.S. include sediment associated with sidecasting/ stockpiling excavated soil along the construction corridor. Impacts to waters of the U.S. will be temporary in nature, and the topography of affected waters will be restored to preconstruction contours so as to minimize short- and long-term impacts. No significant impacts to jurisdictional waters are anticipated. Finally, the Applicant will implement a SPCC and SWPPP to minimize potential impacts to water quality from the following types of general activities:

- Construction vehicle maintenance and servicing
- Vehicle refueling
- Accidental releases from construction equipment
- Pipeline welding and finishing activitites
- Utility line tower construction and finishing activitites

Please list any beneficial uses (as defined in the Basin Plan) of the receiving water(s) and downstream water(s) that may be lost or impacted through project implementation.
Ephemeral drainages typically provide natural drainage and flood control benefits. No beneficial uses of the impacted ephemeral drainages will be lost or significantly impacted as a result of project implementation.

What are the proposed mitigation measures to limit impacts on water quality standards in receiving water(s) and also downstream water(s)? List the avoidance or alternative measures considered (if described in CEQA document, please reference page number). Please indicate if no such measures were considered.
Construction activities will be performed in accordance with the Applicant's SWPPP and associated Monitoring Plan. Construction of the proposed project will comply with all State and Federal water quality standards, and also the terms and conditions provided under all applicable permits. Various alternatives were considered for the proposed project. Notably, the shorter of two alternative gas supply pipeline routes was selected; the route eliminated closely paralleled the San Jacinto River.

FILL/EXCAVATION AND DREDGE MITIGATION (Indicate in **ACRES and LINEAR FEET** (where appropriate) the total quantity of **waters of the United States** proposed to be created, restored, enhanced and/or preserved for purposes of providing compensatory mitigation and indicate the water body type).

Water Body Type	Created	Restored	Enhanced	Preserved
Streambed (e.g., ephemeral drainages)	N/A	0.131 acres* 1259 linear feet	N/A	N/A

*It is anticipated that approximately 0.014 acres (127 lineal ft.)of streambed (i.e., ephemeral drainage) will be permanently lost as a result of installation of foundations associated with the proposed electrical transmission line. The remainder of the 0.145 acres (1386 lineal ft.) of potential temporary feature disturbance will be restored.

Other proposed compensatory mitigation related to fill/excavation and dredge activities (e.g., mitigation banks) (omit if not applicable):
The Applicant will provide funds for impacts to historic Stevens' kangaroo rat (SKR) habitat in the Fee

Area in accordance with the requirements of the Habitat Conservation Plan (HCP) for SKR.

How many acres of proposed mitigation area are considered waters of the United States? To be determined

Location of compensatory mitigation site(s) (attach map of suitable quality and detail):

City or Area Within Habitat Conservation Plan County Riverside

Longitude/Latitude To be determined* Township/Range To be determined*
***Fees paid by Applicant for compensation to SKR will be implemented as per the approved HCP.**

Will a mitigation plan be prepared in accordance with the Army Corps of Engineers' guidelines and submitted to the Regional Board office? To be determined; any applicable Plan will be submitted to your office.

yes no

CALIFORNIA DEPARTMENT OF FISH AND GAME (CDFG) STREAMBED ALTERATION AGREEMENT

Agreement issued _____ yes (attach copy) __X__ no

Applying for Agreement _____ yes (attach copy) __X__ no

Exempt __X__ yes _____ no

If exempt from a Streambed Alteration Agreement, state why

A copy of the letter of exemption from CDFG stating that the project is exempt from the requirements of a 1603 Streambed Alteration Agreement is included as Attachment VII.

DEWATERING PERMIT

Will groundwater dewatering be necessary? _____ yes __X__ no

If so, what is the proposed method of disposal of the dewatered wastewater?
___NA_____

Has an NPDES permit for dewatering discharges to surface waters already been obtained? NA
_____ yes _____ no

Dewatering permit number _NA_____

COASTAL DEVELOPMENT PERMIT

Permit issued _____ yes (attach copy) _____ no

Applying for permit _____ yes (attach copy) _____ no

Exempt __X__ yes _____ no

If exempt from a Coastal Development Permit, state why

The proposed project, including ancillary facilities, is not located within the coastal zone.

PAST/FUTURE PROPOSALS BY THE APPLICANT

Briefly describe any projects carried out in the last 5 years or planned for implementation in the next 5 years that relate in any way to the proposed activity or **may impact the receiving body of water**. Include estimated adverse impacts.
The Applicant has not carried out any project within the past 5 years nor does the Applicant plan to implement a project(s) within the next 5 years that will affect the waters evaluated in connection with the project specifically addressed in this application.

STORM WATER PERMIT STATUS*

Obtained storm water permit	____ yes	__X__ no	
Filed Notice of Intent with the SWRCB	____ yes	__X__ no	____ date
Prepared Storm Water Pollution Prevention Plan (SWPPP)	__X__ yes	____ no	

If you believe that a Storm Water permit is not necessary, state why

The Applicant has prepared a draft SWPPP for the proposed project. The draft SWPPP was submitted to the California Energy Commission on November 30, 2001.

Please list (Best Management Practices) BMPs that will be used to minimize impacts to water quality standards (i.e., water quality and beneficial uses) during and after construction.

The Applicant will finalize and implement the SWPPP, which will identify any BMPs, to minimize impacts to potential receiving waters.

The SWPPP will be maintained on site and updated as needed.

Please discuss BMP maintenance and monitoring activities and duration, including the party(ies) responsible for long-term maintenance of any BMP installed. If maintenance and monitoring will be provided through another agency/party, submit a letter from that agency/party demonstrating that an agreement for such long-term maintenance/monitoring has been or will be reached.

The Applicant will be responsible for long-term maintenance and monitoring of any BMPs installed. BMP monitoring and maintenance will be conducted on an ongoing basis.

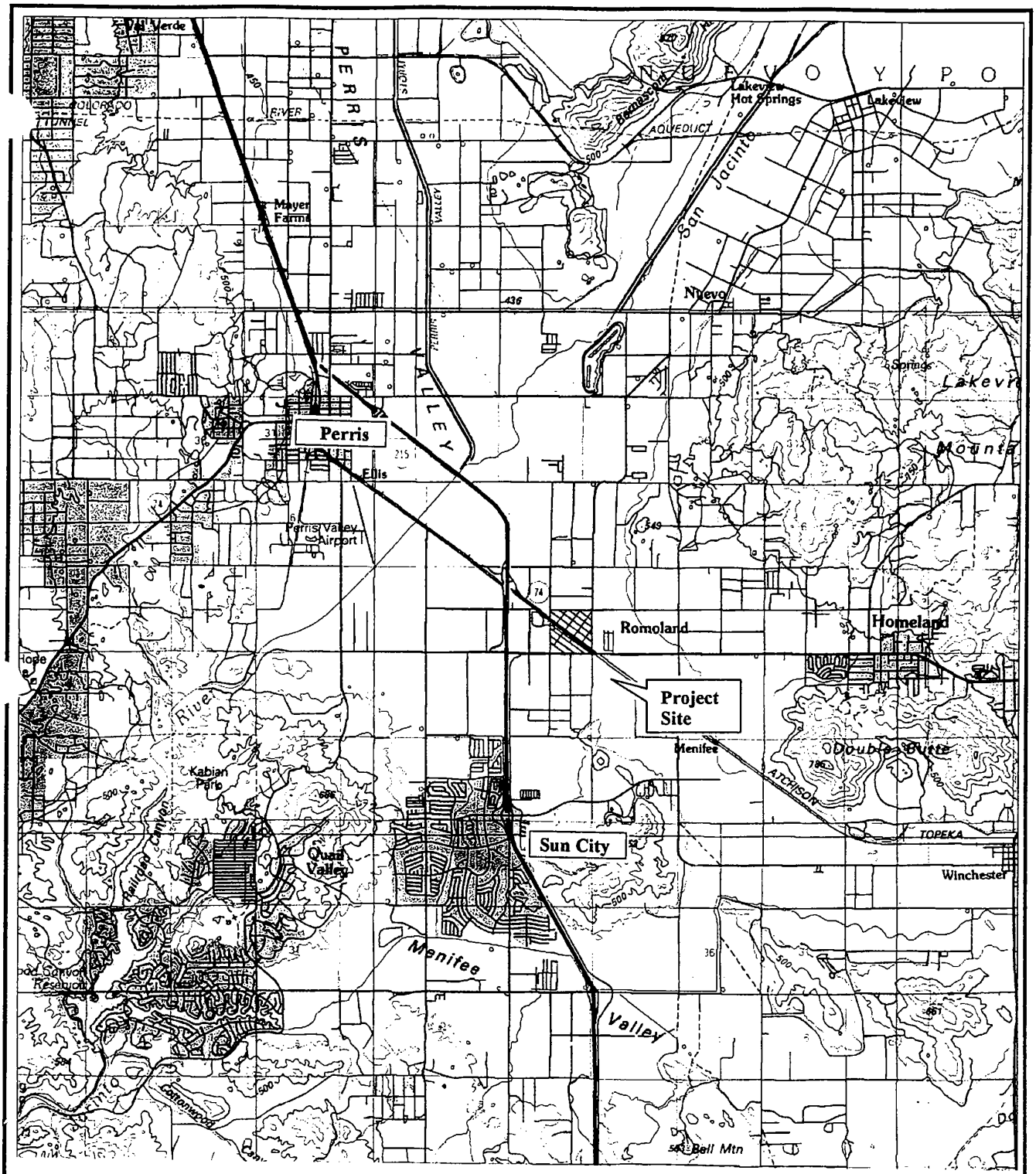
If project is a new development within the San Jacinto Watershed (i.e., coverage under SWRCB's general permit not obtained prior to January 19, 2001) coverage under Order No. 01-34 "Watershed-wide Waste Discharge Requirements for Storm Water Discharges Associated with New Developments in the San Jacinto Watershed" is required. Please visit our website at http://www.swrcb.ca.gov/rwqcb8/ and click on the "Adopted Orders" button or go directly to the "Adopted Orders" web page at http://www.swrcb.ca.gov/rwqcb8/html/adopted_orders.html for more information on the Regional Board's Order No. 01-34 "Watershed-wide Waste Discharge Requirements for Storm Water Discharges Associated with New Developments in the San Jacinto Watershed". To view a map of the San Jacinto Watershed, please visit http://www.swrcb.ca.gov/rwqcb8/html/san_jacinto_watershed.html.

Applicant's Signature (or Agent)

Date May 17, 2002

ATTACHMENT II

Regional Location Map

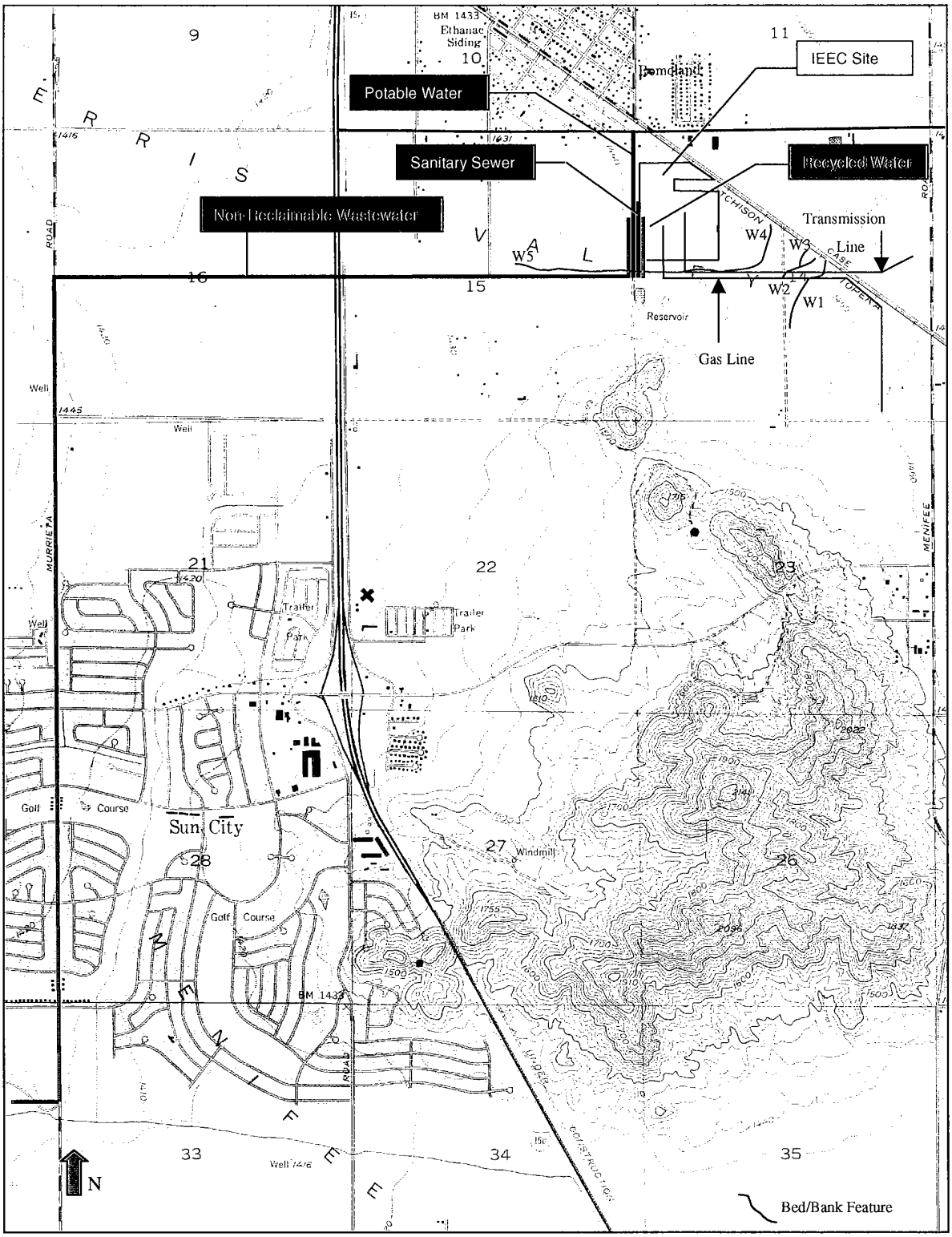


Inland Empire Energy Center
Inland Empire Energy Center, LLC

Regional Location Map

ATTACHMENT III

Water Crossing Map



Inland Empire Energy Center

Water Crossing Location Map

ATTACHMENT IV

Line List of Affected Waters

INLAND EMPIRE ENERGY CECNTER
Line List of Affected Waters

Water ID Number	USGS Quad Name	Waters Type	Observed Width @ OHWM (feet)	Maximum Potential Acreage of Impact Temporary/ Permanent	Twp, Range, Section	Vegetation	Habitat Type	Latitude & Longitude (degrees, minutes, seconds)	Construction Method
W-1	Romoland	Ephemeral	2	GL–0.005/0.0 ET–0.016/0.003[1] UND–0.005/0.0 AG–0.003/0.001[2]	5 South, 3 West, 14	Hare barely, downy brome, black mustard, eucalyptus, and hairy-leaved sunflower	Upland disturbed	N 33, 44, 12 W 117, 9, 36.6	Trenching
W-2	Romoland	Ephemeral	5	GL–0.012/0.0 ET–0.016 / 0.003 UND–0.012/0.0 AG–0.006/0.001 DL–0.005/0.0	5 South, 3 West, 14	Russian thistle, black mustard, and hairy-leaved sunflower	Upland disturbed	N 33, 44, 11.6 W 117, 9, 39.5	Trenching
W-3	Romoland	Ephemeral	2	ET–0.016/0.003[1]	5 South, 3 West, 14	Black mustard, and hairy-leaved sunflower	Upland disturbed	N 33, 44, 11.1 W 117, 9, 41.2	Trenching
W-4	Romoland	Ephemeral	5	ET–0.049/0.009 UND–0.017/0.0 GL–0.009/0.0	5 South, 3 West, 14	Russian thistle, black mustard, cocklebur, eucalyptus, and hairy-leaved sunflower	Upland disturbed	N 33, 44, 11.2 W 117, 9, 49.4	Trenching
W-5	Romoland	Ephemeral	2	WWL–0.004 / 0.00	5 South, 3 West, 14	Black mustard	Upland disturbed	N 33, 44, 9.6 W 117, 10, 15.5	Trenching

AG = Relocating SCE's existing 115 kV lines south of McLaughlin Rd
DL = 12 kV distribution line and SCE comms.
ET = Electrical Transmission Tower
GL = Gas Line
OHWM = Ordinary high water mark
Twp =
UND =Undergrounding SCE's 115 kV line
WWL = Non-Reclaimable Waste Water Line

1 ET towers may cross W-1, W-2 or W-3, but not all three. Worst-case is assumed.
2 Impact area is greater than zero, but less than 0.001.

Note: The proposed potable water line, sanitary sewer line, and recycled water line, are included in the WWL impact calculations.

See Appendix C for disturbance calculation.

Disturbance Calculations [1]

Below-ground, Linear Project Facilities

	ROW Width (ft.)	Feature Crossed	Average Feature Width, ft.	Crossing Angle, deg.	Dist. Area Sq.Ft.	Acres Temp. Dist.	Acres Perm. Dist.	Temp. Lineal Feet	
Gas Line	75	W-1	2	45	212	0.005	0	106	
	75	W-2	5	45	530	0.012	0	106	
	75	W-4	5	90	375	0.009	0	75	
					1117	0.026	0	287	Subtotal
12kV Line & SCE Comms	30	W-1	2	45	85	0.002	0	42	
	30	W-2	5	45	212	0.005	0	42	
					297	0.007	0	85	Subtotal
Under-ground 115 kV Duct Banks	75	W-1	2	45	212	0.005	0	106	
	75	W-2	5	45	530	0.012	0	106	
	75	W-4	5	0	750	0.017	0	150	[2]
					1492	0.034	0	362	Subtotal
Potable Water									
Sewer Line	88	W-5	2	90	176	0.004	0	88	
Reclaim Supply									
NR Waste Water									
			Totals		**3083**	**0.071**	**0**	**822**	

Above-ground Transmission Line Facilities [3]

Temporary Disturbance	Temp. Dist. Sq.Ft	Temp. Max. Lineal Ft.	# of Towers	Feature Impacted	Feature Width (ft.)	Temp. Feature Dist Sq.Ft.	Temp. Lineal Feet	Temp. Feature Dist. Acres	
500 kV Transmission Line Towers	10000	141	1	W-2	5	707	141	0.016	
	10000	141	1	W-4	5	707	141	0.016	
	10000	141	1	W-4	5	707	141	0.016	
	10000	141	1	W-4	5	707	141	0.016	
								0.065	Subtotal
115 kV Transmission Line Towers	1600	57	1	W-1	2	113	0	0.003	[5]
	1600	57	1	W-2	5	283	0	0.006	
					Total:	**3224**	**564**	**0.074**	

Permanent Disturbance	Perm. Dist. Sq.Ft.	Perm. Max. Lineal Ft.	# of Towers	Feature Impacted	Feature Width, ft.	Perm. Feature Dist. Sq.Ft.	Perm. Lineal Feet	Perm. Feature Dist. Acres	
500 kV Transmission Line Towers	400	28	1	W-2	5	141	28	0.003	[4]
	400	28	1	W-4	5	141	28	0.003	
	400	28	1	W-4	5	141	28	0.003	
	400	28	1	W-4	5	141	28	0.003	
								0.013	Subtotal
115 kV Transmission Line Towers	25	7	1	W-1	2	14	7	0.000	
	25	7	1	W-2	5	35	7	0.001	
					Total:	**615**	**127**	**0.014**	

Acres of Potential Temporary Feature Disturbance =	0.145
Acres of Potential Permanent Feature Disturbance =	0.014
Permanent Disturbance Acreage Limitation =	0.5
Lineal Ft. of Potential Feature Temporary Disturbance =	1386
Lineal Ft. of Potential Permanent Disturbance =	127

[1] See Figure 165-A for feature locations and project facility locations.
[2] Field Measurement in 5/02 were taken every 50 feet. 3 points of W-4 were within the 115 Duct Bank Construction ROW
[3] These calculation are based on a worst-case and assume that 4 of the 500 kV and 2 of the 115 kV transmission towers are located in the water features. The precise locations will be determined in final design.
[4] W-1 crossing is more likely, but W-2 was chosen to represent the worst case.
[5] 115 kV above-ground towers will be located in the same ROW as the gas pipeline. Lineal feet of disturbance is included in the gas pipeline calculations.

ATTACHMENT V

Biological Resources – Summary of Findings for Special Status Species

INLAND EMPIRE ENERGY CENTER

Biological Resources – Summary of Findings for Special Status Species

Threatened, endangered, or other special status species are those species with regulatory protection under the Federal Endangered Species Act, the California Endangered Species Act, the Migratory Bird Treaty Act, and other local policies or ordinances protecting biological resources. To identify special-status species in the project vicinity, qualified biologists working for Foster Wheeler Environmental Corporation queried the California Natural Diversity Database Rarefind database for the Perris, Romoland, Lakeview, Sunnymead, and El Casco USGS 7.5-minute topographic quadrangles for the project area. Available information was reviewed from resource management plans and other documents containing information on biological resources in the project study area. These documents were reviewed to determine the locations and types of biological resources that could exist in the project study area. Additionally, private local species experts and resource specialists from the California Department of Fish and Game (CDFG) and U.S. Fish and Wildlife Service (USFWS) were contacted to gather file information on biological resources in the project study area, including maps and database information.

The USFWS office in Carlsbad, California was contacted in April 2001 for a list of Threatened, Endangered, and other Special Status Species potentially present in the project study area. Carlsbad responded on May 25, 2001 with a species list. The CDFG Eastern Sierra, Inland Desert Region 6 office was contacted in April 2001 for a list of Threatened, Endangered, and other Special Status Species potentially present in the project study area. The Eastern Sierra, Inland Desert Region 6 office responded May 15, 2001 with a species list.

The species lists and literature review were augmented and refined by site assessment activities, and informal consultation with USFWS, CDFG, and through discussions with plant and wildlife specialists with knowledge of the project study area. No special-status plant species are known to occur within the project study area. Special-status animal species identified by USFWS or the CDFG as potentially occurring within the study area include vernal pool fairy shrimp and the Stephens' Kangaroo Rat.

Biological impacts have been minimized to the maximum extent practicable by siting facilities away from sensitive habitats, in an area zoned for industrial development, within disturbed agricultural fields, and adjacent to existing roads. The Inland Empire Energy Center (IEEC) project and compressor station sites will be located in existing agricultural areas. The linear facilities have been sited within, and adjacent to existing roadways, in an industrial/residential setting. In addition to the mitigation measures incorporated into the project design, the Applicant proposes the following mitigation measures to reduce potential impacts to biological resources to a level of insignificance.

Designated Project Biologist

The Applicant will designate a project biologist to manage all biological resource conditions of certification.

Employee Environmental Awareness Program

The Applicant will develop and institute an Employee Environmental Awareness Program to inform construction and operations workers about potential biological resource issues associated with the project.

Stevens' Kangaroo Rat (SKR)

Direct impacts to SKR or its occupied habitat are not expected. No occupied habitat was observed during SKR and San Bernardino kangaroo rat site assessments and focused surveys during June 2001. Nonetheless, the Applicant will provide funds for impacts to historic SKR habitat in the Fee Area in accordance with the requirements of the Habitat Conservation Plan (HCP) for the SKR. The HCP is a 30-year plan designed to acquire and permanently set-aside, maintain, manage and fund conservation, preservation, restoration and enhancement of the SKR and its habitat.

The Riverside County HCP, with its designated Fee Areas, establishes a regional mechanism in western Riverside County through which otherwise lawful activities resulting in the incidental take of SKR meet Federal Endangered Species Act and California State Endangered Species Act requirements without the need to secure individual permits and agreements from the USFWS and the CDFG. The entire IEEC project area is included in the SKR HCP Fee Area.

- Formal correspondence with USFWS, CDFG, and the Riverside County Habitat Conservation Agency (dated 11/9/01, 9/27/01, and 10/17/01 respectively) documented a permit for take of SKR acquired in 1996. The permit is valid for 30 years and allows take of SKR within the HCP covered areas. As mitigation for impacts to SKR within covered areas, fees shall be collected on a per acre basis prior to the issuance of grading permits.
- The entire IEEC project area is within the SKR HCP covered fee area and is subject to a $500.00 per acre fee, payable to the Riverside County Habitat Conservation Agency. Payment of the fee will fully mitigate all impacts to SKR, and since the lead agency and all cooperating agencies have complied with the requirements of the HCP consultation for SKR can be completed informally.

Construction of the proposed project within the lands covered in the SKR HCP fee area may affect, but is not likely to adversely affect, SKR.

Vernal Pool Fairy Shrimp

Direct impacts to vernal pool fairy shrimp or its occupied habitat are not expected. Vernal pool fairy shrimp may potentially inhabit naturally occurring vernal pools and manmade

depressions. Vernal pool fairy shrimp may occur in manmade depressions along the new electrical transmission line alignment. The presence of this species is not known to occur in the project area, but wet season surveys are still ongoing. The completed dry season survey results do not indicate the presence of vernal pool fairy shrimp in the project area. Furthermore, no Rarefind records have ever documented vernal pool fairy shrimp within the project area, and there are no known naturally occurring vernal pools within the project area. Additionally, the roadside depressions that could provide potential habitat for vernal pool fairy shrimp have been mapped by IEEC biologists. No vernal pools were observed in the project vicinity.

Although vernal pool fairy shrimp has not been observed at the site, the IEEC project has the potential to injure or kill vernal pool fairy shrimp or their cysts. Road grading and electrical transmission line and natural gas pipeline installation may affect the water regime of human-made depressions. Any change of the duration of inundation of habitat features (e.g. human-made depressions along road shoulders in utility corridors) could potentially affect the reproductive success of any branchiopod species present. Even erosion associated with road building or utility maintenance activities can contaminate habitat features through the transport and deposition of sediments into these areas. In addition, roads, permanent utility features or other changes in drainage patterns could result in an increase in surface runoff and conversion of habitat features. Off-road vehicle use and other recreational activities which have been documented in the project area associated with humans can lead to wheel ruts, soil compaction, increased siltation, destruction of native vegetation, and an alteration of pool/human-made depression hydrology.

- To the extent possible IEEC will attempt to avoid all manmade depressions that could provide potential habitat for vernal pool fairy shrimp by placing features outside of watershed boundaries.
- Ephemeral drainages and manmade depressions will be restored to pre-construction topography/contours and compaction immediately following construction and installation activities. Furthermore, the proposed disturbance to such features will not affect (i.e., act as a barrier) existing surrounding hydrologic conditions.
- If avoidance isn't possible the Applicant will compensate for habitat loss through acquisition of lands in pre-approved compensation areas. The Applicant will provide funds to purchase vernal pool habitat from a USFWS approved mitigation bank for project impacts.

In sum, it is expected that construction of the proposed IEEC project could potentially impact approximately 0.007 acres of vernal pool fairy shrimp habitat (i.e., 30-foot by 10-foot human-made depression). Therefore, given the low potential for impact to individuals and occupied habitat, coupled with the compensation and mitigation for impacts to manmade depressions, the IEEC project may affect, but is not likely to adversely affect, vernal pool fairy shrimp.

More detail regarding survey methods/protocols, description of sensitive plant and wildlife species, and potential impacts to sensitive species is provided in the Biological Assessment (BA) prepared for the proposed project. The BA will be submitted to the USFWS as part of the Section 7 consultation process under the Federal Endangered Species Act for issuance of a Biological Opinion.

ATTACHMENT VI

Photographs of Waters of the U.S. Keyed to Water Crossing Map

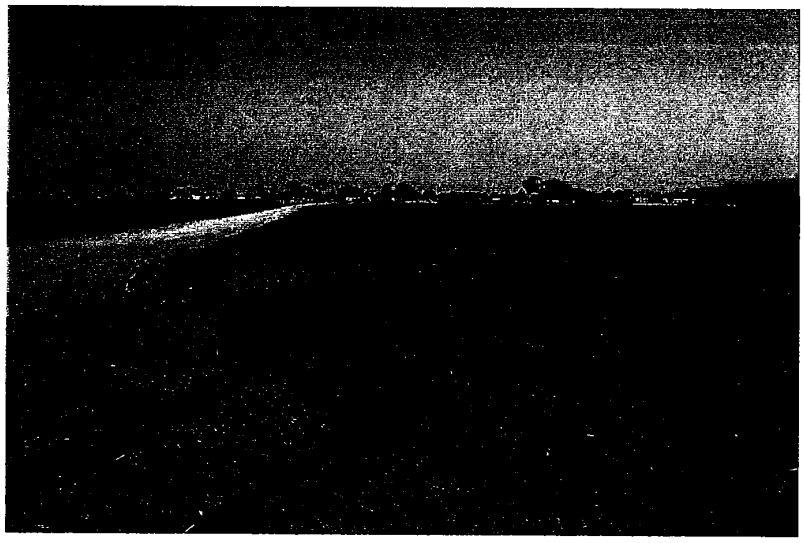


Photo 1. Feature W-5, looking north along the east side of Antelope Rd.

Photo 2. Feature W-5, looking west along the north side of McLaughlin Rd.

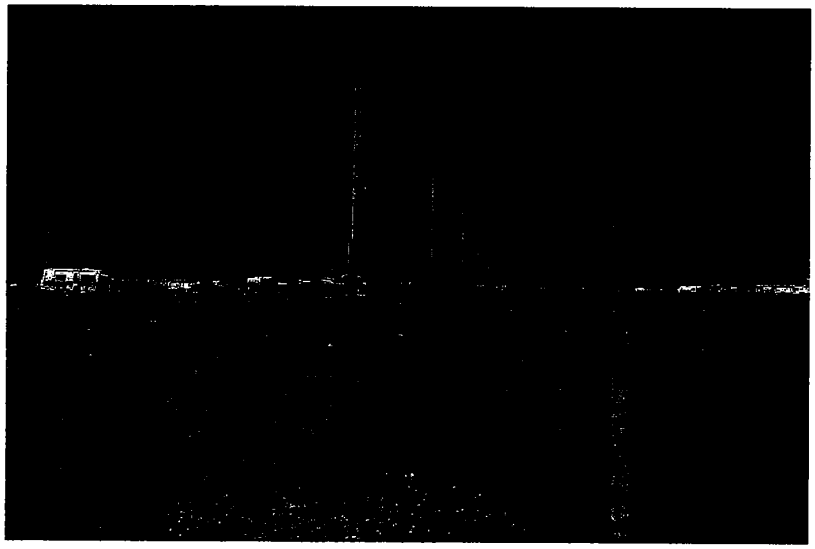


Photo 3. Feature W-5, looking west along the north side of McLaughlin Rd.

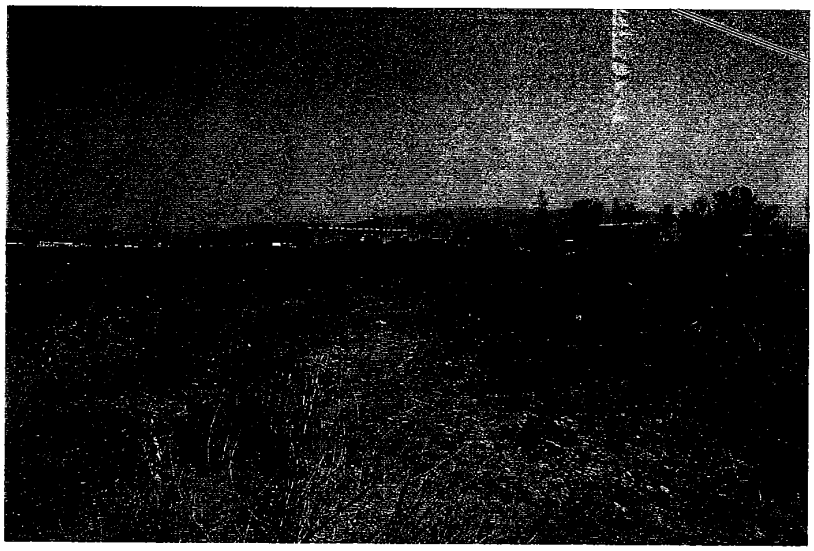


Photo 4. Feature W-4, looking northeast to Palomar Rd RR crossing.
Fairy shrimp site MW-048 is green area in mid-picture.

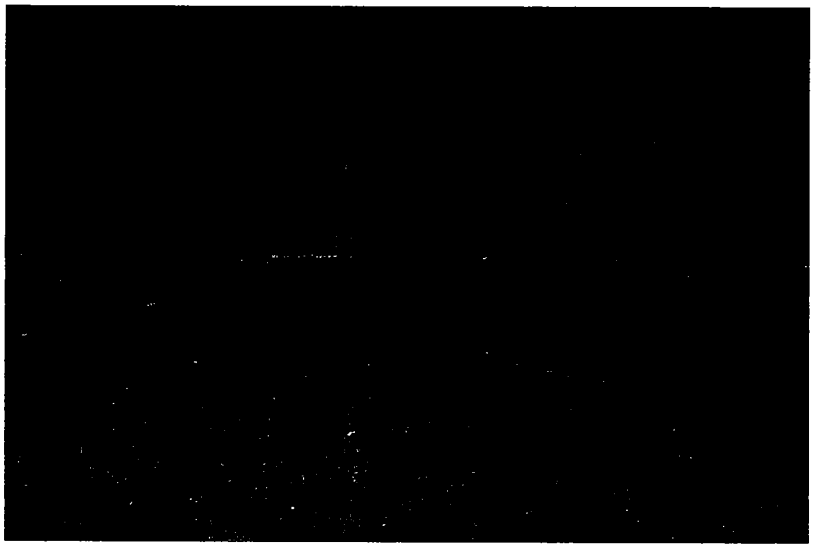


Photo 5. Feature W-4, looking west on the north side of McLaughlin Rd.

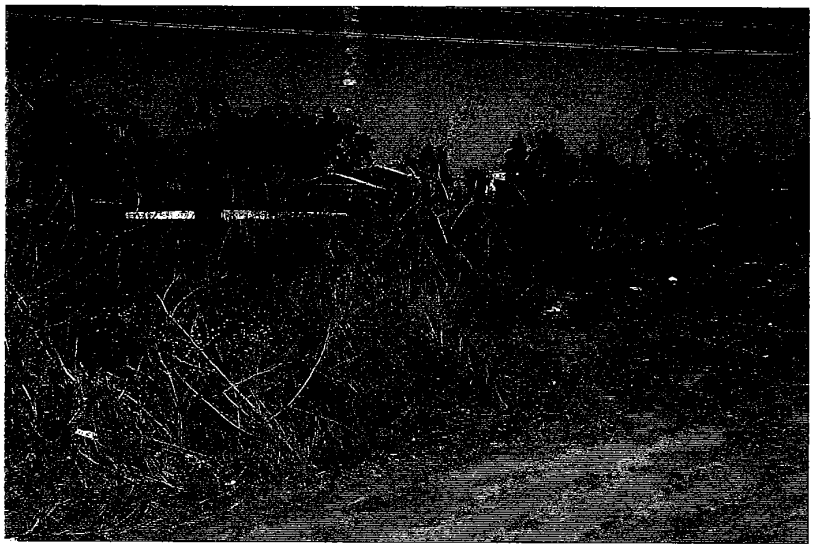


Photo 6. Feature W-2, looking northeast from the intersection of McLaughlin and Palomar Rds.

Photo 7. Intersection of Features W-2 and W-3, looking north-northeast.

Photo 8. Feature W-2, looking northeast towards the SCE Valley Substation.

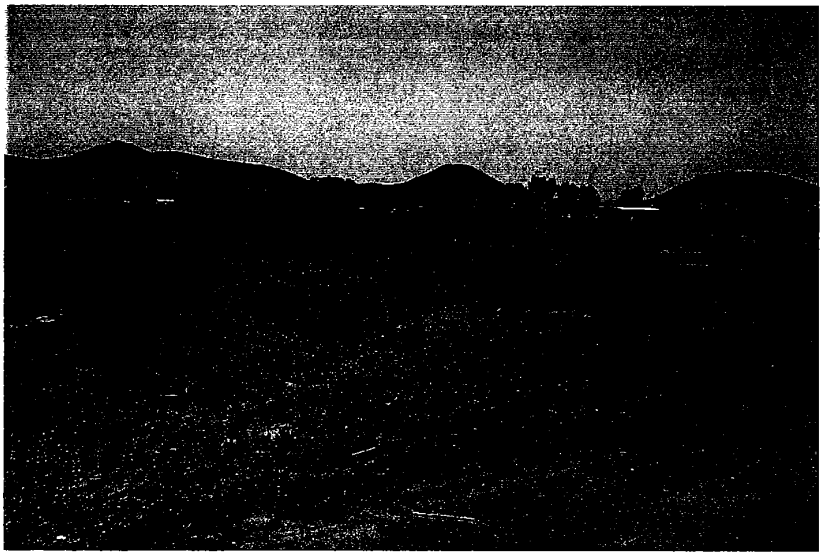


Photo 9. Feature W-1, looking southwest from McLaughlin Rd.

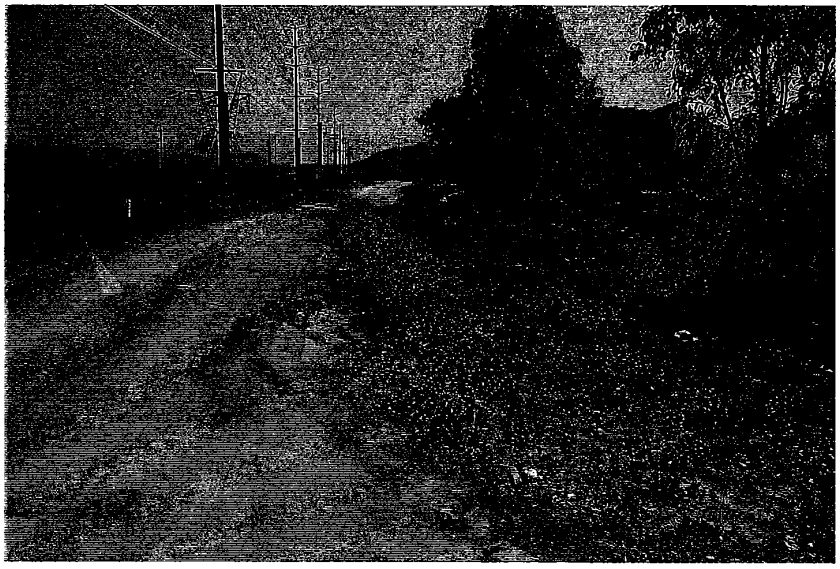


Photo 10. Feature W-1, looking east on the south side of McLaughlin Rd.

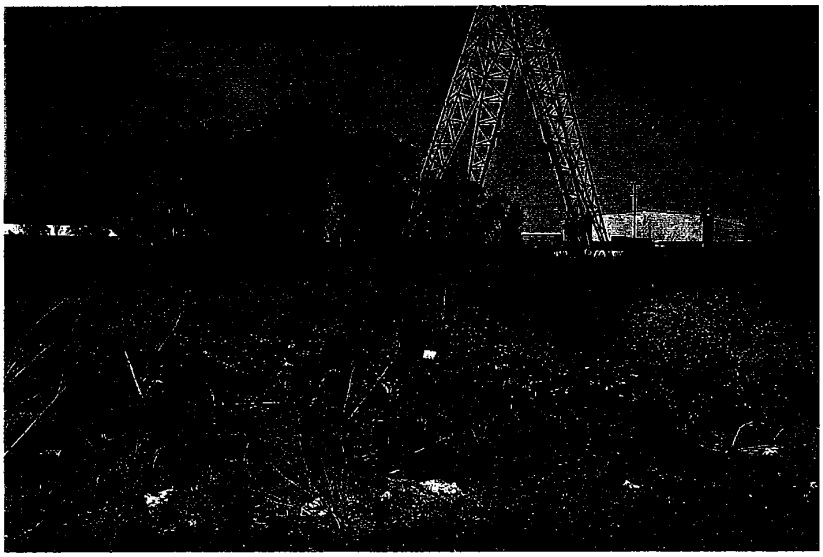


Photo 11. Feature W-1, looking north towards commercial area.

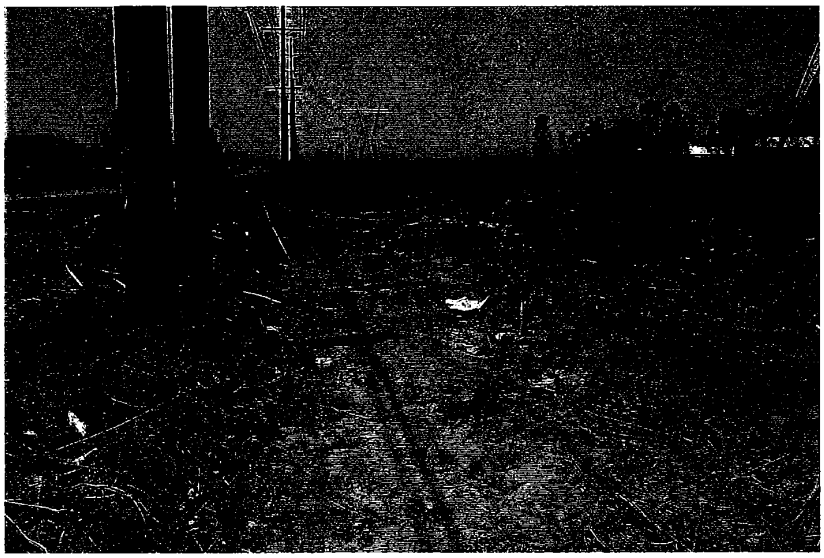


Photo 12. Fairy shrimp site MW-051 (mid-picture), looking west.
Feature W-1 can be seen as the ruderal disturbance vegetation running north to south in upper picture.

ATTACHMENT VII

CDFG Letter

DEPARTMENT OF FISH AND GAME
Eastern Sierra - Inland Deserts Region
4775 Bird Farm Road
Chino Hills, CA 91709
Phone (909) 597-4144
Fax (909) 597-0067

9 May 2002

Mr. Lenny Malo
Foster Wheeler Environmental Corp.
1940 E. Deere Ave., Suite 200
Santa Ana, CA 92705

RE: Inland Empire Energy Center Project

Dear Mr. Malo:

This correspondence serves as California Department of Fish and Game (Department) formal notice that we will not require a Streambed Alteration Agreement for the proposed Inland Empire Energy Center (IEEC) Project. Based on the Department's November 14, 2001 correspondence from Ms. Yvonne Moore, the pre-application meeting, and project map and photo review on April 23, 2002, the Department believes that impacts to biological resources will be less than significant. However, the Department requires that all terms and conditions identified in Nationwide Permit issued by the Army Corps of Engineers, and Department Code 3503.5 be implemented during construction and operation of the IEEC and its associated linear facilities.

If you have any questions regarding this determination, contact Juan Hernandez at (909) 614-1936.

Sincerely,

Juan Hernandez
Environmental Scientist
Habitat Conservation Planning, Region 6

BIOLOGICAL RESOURCE ATTACHMENT 6

CDFG EXEMPTION LETTER

DEPARTMENT OF FISH AND GAME
Eastern Sierra - Inland Deserts Region
4775 Bird Farm Road
Chino Hills, CA 91709
Phone (909) 597-4144
Fax (909) 597-0067

9 May 2002

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If you have any questions regarding this determination, contact Juan Hernandez at (909) 614-1936.

Sincerely,

Juan Hernandez
Environmental Scientist
Habitat Conservation Planning, Region 6

BIOLOGICAL RESOURCE ATTACHMENT 7

WETLANDS DELINEATIONS
DATA SHEETS

MW 048

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: Menifee
Applicant/Owner: Calpine
Investigator: Bob Anderson

Date: 6/21/01
County: Riv.
State: CA

Do Normal Circumstances exist on the site? Yes (No)
Is the site significantly disturbed (Atypical Situation)? (Yes) No
Is the area a potential Problem Area? Yes (No)
(If needed, explain on reverse.)

Community ID:
Transect ID:
Plot ID:

VEGETATION

Dominant Plant Species	Stratum	Indicator
1. Cynodon dactylon (Bermuda)	herb	FAC
2. Xanthium strumarium (cocklebur)	herb	FAC+
3. Lolium perene (perennial rye grass)	herb	FAC
4. Sorghum halipense (Johnsongrass)	herb	FACU
5. Polypogon monspeliensis (beard grass)	herb	FACW+
6. Helianthus annuus (dbl's ft in flower)	herb	FAC-
7.		
8.		

Dominant Plant Species	Stratum	Indicator
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 67%

Remarks: The above plants are localized around a drainage that passes through a larger area of upland weeds

HYDROLOGY

___ Recorded Data (Describe in Remarks):
___ Stream, Lake, or Tide Gauge
___ Aerial Photographs
___ Other
___ No Recorded Data Available

Field Observations:

Depth of Surface Water: — (in.)
Depth to Free Water in Pit: — (in.)
Depth to Saturated Soil: 24" (in.)

Wetland Hydrology Indicators:
Primary Indicators:
___ Inundated
___ Saturated in Upper 12 Inches
___ Water Marks
X Drift Lines
X Sediment Deposits
X Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
___ Oxidized Root Channels in Upper 12 Inches
X Water-Stained Leaves
___ Local Soil Survey Data
___ FAC-Neutral Test
___ Other (Explain in Remarks)

Remarks: This area represents a low spot along a drainage that passes through a relatively level field

MW048

SOILS

Map Unit Name (Series and Phase): EnC2 Exeter sandy loam, eroded — Drainage Class: ____

Taxonomy (Subgroup): ____ — Field Observations Confirm Mapped Type? (Yes) No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
24"	A	2.5Y 3/3	0	0	Sandy loam

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks: Although the soil in the vicinity of this area is not listed as hydric, this is a low area along a drainage and as such collects water and remains wet for a considerably longer period of time than the surrounding area.

WETLAND DETERMINATION

Hydrophytic Vegetation Present? (Yes) No (Circle)
Wetland Hydrology Present? (Yes) No
Hydric Soils Present? Yes (No)

(Circle)
Is this Sampling Point Within a Wetland? Yes No

Remarks: This low spot along a drainage has soils consistent with the surrounding area which is not hydric, however, this area collects water and remains wet long enough to support hydrophytic vegetation. It therefore has wetland vegetation and hydrology, and due to its low lying topography, should be considered a wetland

Approved by HQUSACE 2/92

MW051

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: Menifee
Applicant/Owner: Caleyns
Investigator: Bob Anderson

Date: 6/21/01
County: Riv
State: CA

Do Normal Circumstances exist on the site? Yes (No)
Is the site significantly disturbed (Atypical Situation)? (Yes) No
Is the area a potential Problem Area? Yes (No)
(If needed, explain on reverse.)

Community ID:
Transect ID:
Plot ID:

VEGETATION

Dominant Plant Species	Stratum	Indicator
1. Bromus rubens	herb	ni
2. Cynodon dactylon	herb	Fac
3. Polygonum aviculare	herb	fac
4. Ambrosia psylostachys	herb	Fac
5. Helianthus annuus	herb	Fac-
6. Brassica nigra	herb	not listed
7. Salsola tragus	herb	Fac u
8. Hemizonia fasciculata	herb	not listed

Dominant Plant Species	Stratum	Indicator
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 38%

Remarks: Only 38% of the dominant plant are hydrophytic and at best, the remainder are Fac. This is not a good case for a wetland

HYDROLOGY

___ Recorded Data (Describe in Remarks):
___ Stream, Lake, or Tide Gauge
___ Aerial Photographs
___ Other
___ No Recorded Data Available

Field Observations: no water encountered

Depth of Surface Water: 0 (in.)
Depth to Free Water in Pit: ___ (in.)
Depth to Saturated Soil: ___ (in.)

Wetland Hydrology Indicators:
Primary Indicators:
___ Inundated
___ Saturated in Upper 12 Inches
X Water Marks
___ Drift Lines
___ Sediment Deposits
___ Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
___ Oxidized Root Channels in Upper 12 Inches
___ Water-Stained Leaves
___ Local Soil Survey Data
___ FAC-Neutral Test
___ Other (Explain in Remarks)

Remarks: This is a low lying area that collects water but due to the sandy loam soil, it probably does not stay wet long enough to be considered a wetland

MW051

SOILS

Map Unit Name (Series and Phase): EnC2-Exeter sandy loam, eroded Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations Confirm Mapped Type? (Yes) No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
8"	A	5YR 3/3	0	0	sandy loam

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks: This area is low lying and has sandy loam soils. These soils most likely drain quickly

WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes (No) (Circle)
Wetland Hydrology Present? Yes (No)
Hydric Soils Present? Yes (No)

Is this Sampling Point Within a Wetland? (Circle) (Yes) (No)

Remarks: This is a low lying sand loam site that collects water. However it probably drains quickly due to the sandy soils so that hydrophytic vegetation is not supported and ~~the~~ hydric soils are not developed

Approved by HQUSACE 2/92

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

BLO-1

Project/Site: Menifee
Applicant/Owner: Cal Pine
Investigator: Bob Anderson

Date: 6/26/01
County: Riv
State: CA

Do Normal Circumstances exist on the site? Yes (No)
Is the site significantly disturbed (Atypical Situation)? (Yes) No
Is the area a potential Problem Area? Yes (No)
(If needed, explain on reverse.)

Community ID:
Transect ID:
Plot ID:

VEGETATION

Dominant Plant Species	Stratum	Indicator
1. Cirsium vulgare (ill Thistle)	Herb	FACU
2. Cynodon dactylon (Bermudagrass)	herb	FAC
3. Rumex crispus	herb	FACW-
4. Typha latifolia	herb	OBL
5. Leptochloa uninervia (Sprangletop)	herb	FACW
6. Paspalum dilatatum (Dallas grass)	herb	FAC
7.		
8.		

Dominant Plant Species	Stratum	Indicator
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 83%

Remarks:

HYDROLOGY

___ Recorded Data (Describe in Remarks):
___ Stream, Lake, or Tide Gauge
___ Aerial Photographs
___ Other
___ No Recorded Data Available

Field Observations:

Depth of Surface Water: 0 - 12 (in.)
Depth to Free Water in Pit: _____ (in.)
Depth to Saturated Soil: 0 (in.)

Wetland Hydrology Indicators:
Primary Indicators:
X Inundated
X Saturated in Upper 12 Inches
X Water Marks
X Drift Lines
___ Sediment Deposits
X Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
___ Oxidized Root Channels in Upper 12 Inches
X Water-Stained Leaves
___ Local Soil Survey Data
___ FAC-Neutral Test
___ Other (Explain in Remarks)

Remarks: This site has a ditch w/ standing water that opens out onto a broad, saturated grass, area.

— LM NOTES 5/26/02
FEATURE HAS BEEN GRADED, DISCED & PLOWED. PREVIOUS SITE VISIT W/ ACOE (R. SMITH) ID AS ISOLATED & NON-JURIS. —

BL01

SOILS

Map Unit Name
(Series and Phase): MaA Madera fine sandy loam Drainage Class: _____
Field Observations
Taxonomy (Subgroup): _____ Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks: No pit was dug due to standing water supporting hydrophytic vegetation

WETLAND DETERMINATION

Hydrophytic Vegetation Present? (Yes) No (Circle)
Wetland Hydrology Present? (Yes) No
Hydric Soils Present? (Yes) No

Is this Sampling Point Within a Wetland? (Yes) No (Circle)

Remarks: This area has enough runoff to maintain standing water and hydrophytic vegetation. The water source appears to be a combination of urban, agricultural and natural ~~sources~~. This site is an obvious wetland.

Approved by HQUSACE 2/92

BLO-2

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: Menifee
Applicant/Owner: Calpine
Investigator: Bob Anderson

Date: 6/26/01
County: Riv.
State: CA

Do Normal Circumstances exist on the site? Yes (No)
Is the site significantly disturbed (Atypical Situation)? (Yes) No
Is the area a potential Problem Area? Yes (No)
(If needed, explain on reverse.)

Community ID:
Transect ID:
Plot ID:

VEGETATION

	Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
Ukali Mallow	1. Malva leprosa	herb	Fac	9.		
ermuda	2. Cynodon dactylon	herb	Fac	10.		
EX sprangle	3. Leptochoa uninervia	herb	Fac w	11.		
abits ft gras	4. Polypogon monspieleusis	herb	Fac w+	12.		
	5. Rumex crispus	herb	Facw-	13.		
ACK MUST	6. Brassica nigra	herb	not listed	14.		
	7.			15.		
	8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 83%

Remarks:

HYDROLOGY

___ Recorded Data (Describe in Remarks):
 ___ Stream, Lake, or Tide Gauge
 ___ Aerial Photographs
 ___ Other
___ No Recorded Data Available

Field Observations:

Depth of Surface Water: 2" (in.)

Depth to Free Water in Pit: ______ (in.)

Depth to Saturated Soil: ______ (in.)

Wetland Hydrology Indicators:
Primary Indicators:
 X Inundated
 X Saturated in Upper 12 Inches
 X Water Marks
 X Drift Lines
 ___ Sediment Deposits
 ___ Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
 ___ Oxidized Root Channels in Upper 12 Inches
 ___ Water-Stained Leaves
 ___ Local Soil Survey Data
 ___ FAC-Neutral Test
 ___ Other (Explain in Remarks)

Remarks: Ditches with standing water on both sides of Road (McLaughlin Rd)

BUD-2

SOILS

Map Unit Name (Series and Phase): EnA Exeter sandy loam / PlB Placentia fine sandy loam Drainage Class: _____

Taxonomy (Subgroup): _____ Field Observations Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks: No pit was dug due to standing water and saturated soil with hydrophytic vegetation

WETLAND DETERMINATION

Hydrophytic Vegetation Present? (Yes) No (Circle)
Wetland Hydrology Present? (Yes) No
Hydric Soils Present? Yes No

Is this Sampling Point Within a Wetland? (Circle) Yes No

Remarks: Even though the EnA & PlB soils are usually well drained, this area is low and receives enough off season run off to maintain standing water or saturated conditions as well as support hydrophytic vegetation to be considered a wetland.

-LM NOTES 5/26/02

FEATURES HAVE BEEN GRADED, DISCED AND PLOWED. PREVIOUS SITE VISIT BY ACOE (R. SMITH) ID AREA AS ISOLATED and NON-JURIS

Approved by HQUSACE 2/92

MW051

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: IEEC
Applicant/Owner:
Investigator: LM, CM

Date: 3/26/02
County: Riverside
State: CA

Do Normal Circumstances exist on the site? (Yes) No
Is the site significantly disturbed (Atypical Situation)? (Yes) No
Is the area a potential Problem Area? Yes (No)
(If needed, explain on reverse.)

Community ID:
Transect ID:
Plot ID:

VEGETATION

Dominant Plant Species	Stratum	Indicator
1. BRASSICA NIGRA		NI
2. Eucalyptus sp		NI
3. Helianthus annus		FAC-
4. Hordeum leporinum		NI
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 25 %

Remarks: UPLAND DISTURBANCE VEG, SIGNS OF GRAZING & ANIMAL TRAFFIC

HYDROLOGY

___ Recorded Data (Describe in Remarks):
___ Stream, Lake, or Tide Gauge
___ Aerial Photographs
___ Other
✓ No Recorded Data Available

Field Observations:

Depth of Surface Water: NA (in.)
Depth to Free Water in Pit: NA (in.)
Depth to Saturated Soil: NA (in.)

Wetland Hydrology Indicators:
Primary Indicators:
___ Inundated
___ Saturated in Upper 12 Inches
___ Water Marks
___ Drift Lines
X Sediment Deposits
___ Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
___ Oxidized Root Channels in Upper 12 Inches
___ Water-Stained Leaves
___ Local Soil Survey Data
___ FAC-Neutral Test
___ Other (Explain in Remarks)

Remarks: HYDROLOGY APPEARS TO COME FROM SURFACE ROAD RUNOFF & RUNOFF FROM OTHER COMMERCIAL/RESIDENTIAL developments. @ 12" NO SATURATED OR Inundated Soil.

KM 051

SOILS

Map Unit Name (Series and Phase): EXETER SANDY LOAM

Drainage Class: _____

Field Observations Confirm Mapped Type? (Yes) No

Taxonomy (Subgroup): _____

Profile Description: Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
12"		7.5YR 3/2	NO MOTTLES	NA	SANDY LOAM

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- X High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks: SOILS CHROMA VALUE IS TO HIGH TO MEET CLASSIC DEFINITION OF hydric soils. SOIL IS NOT LISTED AS HYDRIC

WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes (No) (Circle)
Wetland Hydrology Present? Yes (No)
Hydric Soils Present? Yes (No)

Is this Sampling Point Within a Wetland? Yes (No) (Circle)

Remarks: SAMPLE PT soils don't meet definition of hydric soils AND THE hydrology isn't sufficient to support a PREVALENCE OF VEGETATION TYPICALLY Adapted for life IN A SATURATED/inundated soil condition. SITE IS A DISTURBED AREA, THIS PT IS A low spot Area- A drainage that collects water IS DRAINS QUICKLY DUE TO SANDY SOILS

Approved by HQUSACE 2/92

MW 051

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: LEEC
Applicant/Owner:
Investigator: CM, CM

Date: 3/26/02
County: Riverside
State: CA

Do Normal Circumstances exist on the site? (Yes) No
Is the site significantly disturbed (Atypical Situation)? (Yes) No
Is the area a potential Problem Area? (Yes) (No)
(If needed, explain on reverse.)

Community ID:
Transect ID:
Plot ID:

VEGETATION

Dominant Plant Species	Stratum	Indicator
1. MATRICARIA MATRICARIOIDES		FACU
2. BRASSICA NIGRA		NI
3. Helianthus Annus		FAC-
4. Hordeum leporinum		NI
5. Bromus tectorum		NI
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 20%

Remarks: UPLAND disturbance veg; signs of equipment usage (grading, etc) and ANIMAL GRAZING

HYDROLOGY

___ Recorded Data (Describe in Remarks):
___ Stream, Lake, or Tide Gauge
___ Aerial Photographs
___ Other
✓ No Recorded Data Available

Field Observations:

Depth of Surface Water: NA (in.)
Depth to Free Water in Pit: NA (in.)
Depth to Saturated Soil: @ SURFACE (in.)

Wetland Hydrology Indicators:
Primary Indicators:
___ Inundated
X Saturated in Upper 12 Inches
___ Water Marks
___ Drift Lines
___ Sediment Deposits
___ Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
___ Oxidized Root Channels in Upper 12 Inches
___ Water-Stained Leaves
___ Local Soil Survey Data
___ FAC-Neutral Test
___ Other (Explain in Remarks)

Remarks: HYDROLOGY APPEARS TO COME FROM SURFACE RUNOFF FROM THE ROAD & OTHER COMMERCIAL/RESIDENTIAL DEVELOPMENTS; @ SURFACE SOIL WAS SATURATED

MW051

SOILS

Map Unit Name (Series and Phase): EXETER SANDY LOAM

Drainage Class: _____

Field Observations Confirm Mapped Type? (Yes) No

Taxonomy (Subgroup): _____

Profile Description: Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
12"		7.5YR 3/3	NO MOTTLES	NA	SANDY LOAM

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks: SOIL CHROMA VALUE IS TO HIGH TO MEET CLASSIC DEFIN. OF HYDRIC SOILS. SOIL IS NOT LISTED AS HYDRIC

WETLAND DETERMINATION

		(Circle)
Hydrophytic Vegetation Present?	Yes (No)	
Wetland Hydrology Present?	Yes (No)	
Hydric Soils Present?	Yes (No)	
Is this Sampling Point Within a Wetland?	Yes (No)	

Remarks: SAMPLE PT. SOILS DON'T MEET DEFIN OF HYDRIC SOILS; HYDROLOGY ISN'T SUFFICIENT TO SUPPORT A PREDOMINANCE OF OBL. TYPICAL ADAPTED PLANT LIFE IN A SITUATED SOIL CONDITION. THIS A DISTURBED YARD WHICH HAS SOME "LOW" SPOTS WHICH COLLECT WATER, BUT DRAIN QUICKLY due to SANDY SOILS

Approved by HQUSACE 2/92

MW 048

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: IEEC
Applicant/Owner:
Investigator: LM, CM

Date: 3/26/02
County: RIVERSIDE
State: CA

Do Normal Circumstances exist on the site? (Yes) No
Is the site significantly disturbed (Atypical Situation)? (Yes) No
Is the area a potential Problem Area? Yes (No)
(If needed, explain on reverse.)

Community ID:
Transect ID:
Plot ID:

VEGETATION

Dominant Plant Species	Stratum	Indicator
1. ERIOGONUM NUDUM		NI
2. HELIANTHUS ANNUS		FAC-
3. XANTHIUM STRUMARIUM		FAC+
4.		
5.		
6.		
7.		
8.		

Dominant Plant Species	Stratum	Indicator
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 33%

Remarks: UPLAND> DISTURBANCE VEG, LITTER, DEBRIS, SIGN OF ANIMAL GRAZING.

HYDROLOGY

___ Recorded Data (Describe in Remarks):
___ Stream, Lake, or Tide Gauge
___ Aerial Photographs
___ Other
___ No Recorded Data Available

Field Observations:

Depth of Surface Water: NA (in.)
Depth to Free Water in Pit: NA (in.)
Depth to Saturated Soil: NA (in.)

Wetland Hydrology Indicators:
Primary Indicators:
___ Inundated
___ Saturated in Upper 12 Inches
___ Water Marks
___ Drift Lines
___ Sediment Deposits
X Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
___ Oxidized Root Channels in Upper 12 Inches
___ Water-Stained Leaves
___ Local Soil Survey Data
___ FAC-Neutral Test
___ Other (Explain in Remarks)

Remarks: HYDROLOGY APPEARS TO COME FROM SURFACE RUNOFF FROM MAIN CHANNEL (< 12" TO SATURATION) IN UNNAMED GUL

MW08

SOILS

Map Unit Name (Series and Phase): Exeter Sandy Loam

Drainage Class: _____

Field Observations Confirm Mapped Type? (Yes) No

Taxonomy (Subgroup): _____

Profile Description: Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
12"		2.5Y 3/3	NA	NA	Sandy loam

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks: SOIL CHROMA VALUE IS TO HIGH TO MEET DEFIN. OF HYDRIC SOIL. SOIL IS NOT LISTED AS HYDRIC

WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes (No) (Circle)
Wetland Hydrology Present? Yes (No)
Hydric Soils Present? Yes (No)

Is this Sampling Point Within a Wetland? (Circle) Yes (No)

Remarks: SAMPLE PT SOILS DON'T MEET DEFIN OF HYDRIC SOILS and hydrology isn't sufficient to support A prevalence of veg typically adapted for life in a saturated/inundated condition. site is disturbed, ditched, farmed, etc. This area is a low spot along a drainage that passes thru an Ag field.

Approved by HQUSACE 2/92

MEW

BLO-2

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: IEEC
Applicant/Owner:
Investigator: LM, CM

Date: 3/26/02
County: RIVERSIDE
State: CA

Do Normal Circumstances exist on the site? (Yes) No
Is the site significantly disturbed (Atypical Situation)? (Yes) No
Is the area a potential Problem Area? Yes (No)
(If needed, explain on reverse.)

Community ID:
Transect ID:
Plot ID:

VEGETATION

Dominant Plant Species	Stratum	Indicator
1. BROMUS RECTORUM		NI
2. HORDEUM LEPORINUM		NI
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%

Remarks: UPLAND DISTURBANCE LIES IN THE MIDDLE OF AN ACCESS ROAD ...

HYDROLOGY

___ Recorded Data (Describe in Remarks):
___ Stream, Lake, or Tide Gauge
___ Aerial Photographs
___ Other
✓ No Recorded Data Available

Field Observations:

Depth of Surface Water: NA (in.)
Depth to Free Water in Pit: NA (in.)
Depth to Saturated Soil: @ SURFACE (in.)

Wetland Hydrology Indicators:
Primary Indicators:
___ Inundated
___ Saturated in Upper 12 Inches
___ Water Marks
___ Drift Lines
___ Sediment Deposits
___ Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
___ Oxidized Root Channels in Upper 12 Inches
___ Water-Stained Leaves
___ Local Soil Survey Data
___ FAC-Neutral Test
___ Other (Explain in Remarks)

Remarks: HYDROLOGY APPEARS TO COME FROM SURFACE RUNOFF, SITE GRADING ON ADJACENT LANDS W/ EROSION CONTROL FEATURES DIRECT H2O ONTO DIRT ROAD. W/@ SURFACE SOIL WAS SATURATED

NEW
BCO-2

SOILS

Map Unit Name (Series and Phase): Extum Sandy Loam

Drainage Class: _____

Field Observations
Confirm Mapped Type? (Yes) No

Taxonomy (Subgroup): _____

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
12"		5YR 3/3	NA	NA	SANDY LOAM

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks: Soil Chroma value to high to meet defn of hydric soil; soil type not listed as hydric

WETLAND DETERMINATION

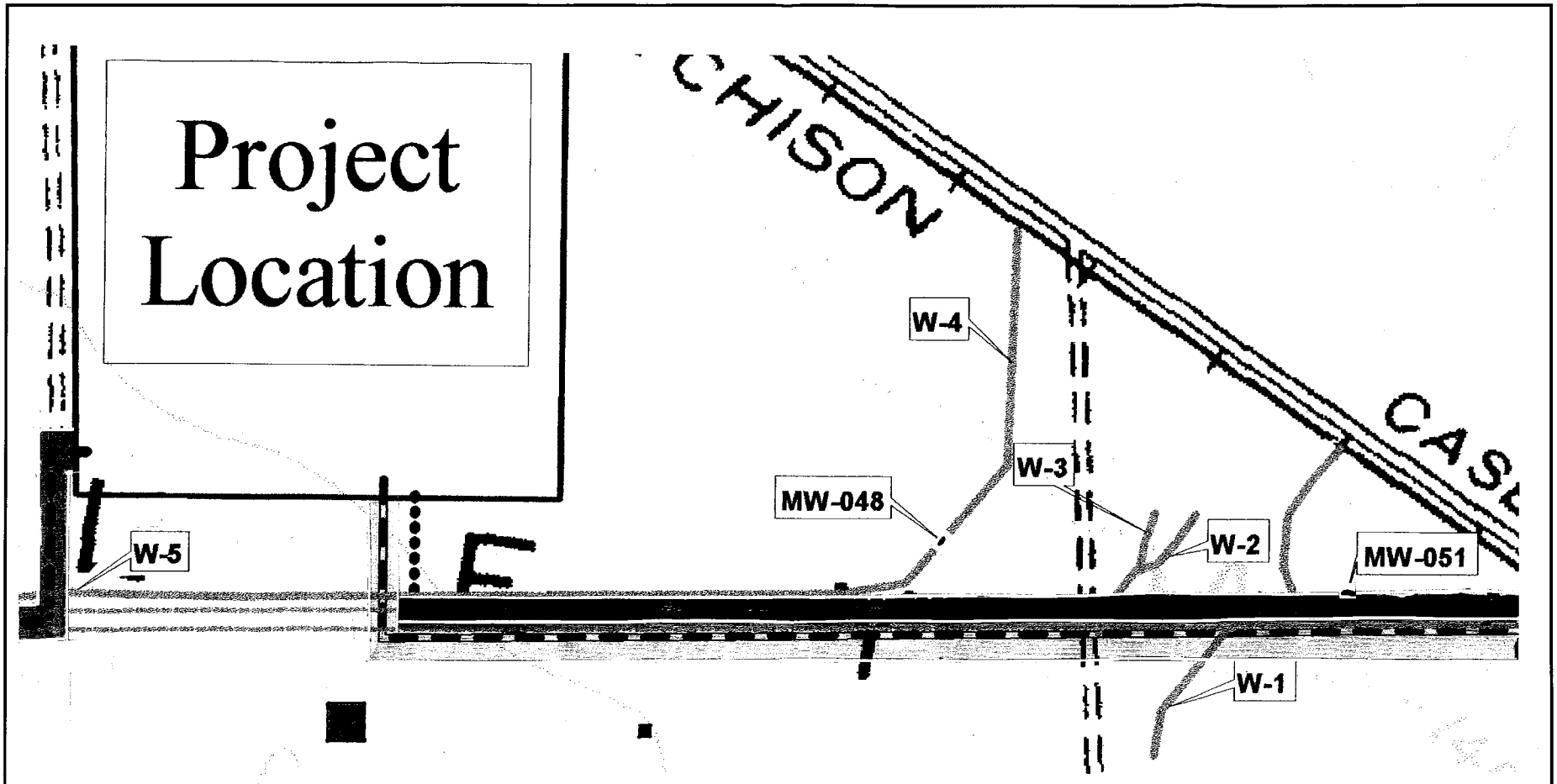
Hydrophytic Vegetation Present?	Yes (No) (Circle)	Is this Sampling Point Within a Wetland? (Circle) Yes (No)
Wetland Hydrology Present?	Yes (No)	
Hydric Soils Present?	Yes (No)	

Remarks: FEATURE IS ISOLATED, OUT SIDE OF 100yr Flood plain of San Juanito River; Sample Pt soils don't MEET defn of Hydric soils; hydrology is Artificially directed at sample pt but isn't sufficient to support prevalence of Hydric veg. Site is a disturbed upland ROAD w/ H2O directed @ it due to Adjacent Commercial/Residential 3-4 construction

Approved by HQUSACE 2/92

BIOLOGICAL RESOURCE ATTACHMENT 8

FIGURES 165-A, 165-A1, AND 165-B



Gas Pipeline & 115 kV Above-Ground Relocation

12 kV Distribution Line & SCE Communications

115 kV Underground Duct Bank

Water Lines

Example 115 kV Tower

Example 500 kV Tower

Construction Disturbance Areas

Note: Tower locations will not be defined until final design. Example areas of disturbance are shown. Appendix I of Volume II of the AFC has preliminary locations for the 500 kV towers.

Scale: 1" = 250'

Inland Empire Energy Center
Inland Empire Energy Center, LLC

Figure 165-A1

Construction Corridor Overview

BIOLOGICAL RESOURCE ATTACHMENT 9

DISTURBANCE CALCULATIONS

Disturbance Calculations [1]

Below-ground, Linear Project Facilities

	ROW Width (ft.)	Feature Crossed	Average Feature Width, ft.	Crossing Angle, deg.	Dist. Area Sq.Ft.	Acres Temp. Dist.	Acres Perm. Dist.	Temp. Lineal Feet	
Gas Line	75	W-1	2	45	212	0.005	0	106	
	75	W-2	5	45	530	0.012	0	106	
	75	W-4	5	90	375	0.009	0	75	
					1117	0.026	0	287	Subtotal
12kV Line & SCE Comms	30	W-1	2	45	85	0.002	0	42	
	30	W-2	5	45	212	0.005	0	42	
					297	0.007	0	85	Subtotal
Under-ground 115 kV Duct Banks	75	W-1	2	45	212	0.005	0	106	
	75	W-2	5	45	530	0.012	0	106	
	75	W-4	5	0	750	0.017	0	150	[2]
					1492	0.034	0	362	Subtotal
Potable Water									
Sewer Line	88	W-5	2	90	176	0.004	0	88	
Reclaim Supply									
NR Waste Water									
			Totals		**3083**	**0.071**	**0**	**822**	

Above-ground Transmission Line Facilities [3]

Temporary Disturbance

	Temp. Dist. Sq.Ft	Temp. Max. Lineal Ft.	# of Towers	Feature Impacted	Feature Width (ft.)	Temp. Feature Dist Sq.Ft.	Temp. Lineal Feet	Temp. Feature Dist. Acres	
500 kV Transmission Line Towers	10000	141	1	W-2	5	707	141	0.016	
	10000	141	1	W-4	5	707	141	0.016	
	10000	141	1	W-4	5	707	141	0.016	
	10000	141	1	W-4	5	707	141	0.016	
								0.065	Subtotal
115 kV Transmission Line Towers	1600	57	1	W-1	2	113	0	0.003	[5]
	1600	57	1	W-2	5	283	0	0.006	
					Total:	**3224**	**564**	**0.074**	

Permanent Disturbance

	Perm. Dist. Sq.Ft.	Perm. Max. Lineal Ft.	# of Towers	Feature Impacted	Feature Width, ft.	Perm. Feature Dist. Sq.Ft.	Perm. Lineal Feet	Perm. Feature Dist. Acres	
500 kV Transmission Line Towers	400	28	1	W-2	5	141	28	0.003	[4]
	400	28	1	W-4	5	141	28	0.003	
	400	28	1	W-4	5	141	28	0.003	
	400	28	1	W-4	5	141	28	0.003	
								0.013	Subtotal
115 kV Transmission Line Towers	25	7	1	W-1	2	14	7	0.000	
	25	7	1	W-2	5	35	7	0.001	
					Total:	**615**	**127**	**0.014**	

Acres of Potential Temporary Feature Disturbance =	0.145
Acres of Potential Permanent Feature Disturbance =	0.014
Permanent Disturbance Acreage Limitation =	0.5
Lineal Ft. of Potential Feature Temporary Disturbance =	1386
Lineal Ft. of Potential Permanent Disturbance =	127

[1] See Figure 165-A for feature locations and project facility locations.
[2] Field Measurement in 5/02 were taken every 50 feet. 3 points of W-4 were within the 115 Duct Bank Construction ROW
[3] These calculation are based on a worst-case and assume that 4 of the 500 kV and 2 of the 115 kV transmission towers are located in the water features. The precise locations will be determined in final design.
[4] W-1 crossing is more likely, but W-2 was chosen to represent the worst case.
[5] 115 kV above-ground towers will be located in the same ROW as the gas pipeline. Lineal feet of disturbance is included in the gas pipeline calculations.

CULTURAL RESOURCES ATTACHMENT 5

REVISED DPR 523A FORMS

Van Citters:
Historic Preservation, LLC

PRIMARY RECORD

Primary No. _____
HRI No. _____
Trinomial _____
NRHP Status Code _____

Other Listings _____

Review Code _____ **Reviewer** _____ **Date** _____

Page 1 **of** 4 ***Resource Name or #:** (Assigned by recorder) Motte's Romola Farms Barn

P1. Other Identifier: _____

P2. Location: [ ] Not for Publication [x] Unrestricted *a. County Riverside

*b. USGS 7.5' Quad _____ Date ___ T ___ ; R ___ ; ___ ¼ of ___ ¼ of Sec ___ ; ___ B.M.

c. Address 28380 Matthews Rd. City Romoland Zip 92585

d. UTM (Give more than one for large and/or linear resources) Zone _____ ; _____ mE/ _____ mN

e. Other Locational Data: (Enter parcel #, directions to resource, elevation, etc., as appropriate) APN 329-110-023-3

P3a. Description: (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)
Corrugated metal gambrel roof structure flanked by shed roofs with four hipped cupolas that have six-lite windows and wood vents. Nine-pane steel windows with lower hopper. Vertical wood siding, large barn doors with wrought iron hardware. Wood personnel doors with six-lite glazing panel.

P3b. Resource Attributes: (List relevant attributes and codes) N/A

P4. Resources Present: [x]Building [ ]Structure [ ]Object []Site [ ]Element of District [ ]Other (Isolates etc.)

P5a. Photograph or Drawing (see attached) (Photograph required for buildings, structures, and objects)

P5b. Description of Photo (View, date, accession #) View northwest; 2/11/02

***P6. Date Constructed/Age and Sources:** [ ] Prehistoric [ ] Historic [ ] Both c. 1984 -1986

***P7. Owner and Address:** Leon and Darlene Motte
29100 Watson Rd., Romoland 92585

***P8. Recorded by:** (Name, affiliation, and address) Karen Van Citters and Kristen Bisson
Van Citters: Historic Preservation, LLC

P9. Date Recorded: 2/11/02

P10. Survey Type: (Describe) [ ] Intensive [x] Reconnaissance [ ] Other _____

P11. Report Citation: (Cite survey report and other sources, or enter "none") None

***Attachments:** [ ] NONE [x] Location Map [ ] Sketch Map [ ] Continuation Sheet [x] Building, Structure, and Object Record
[ ] Archaeological Record [ ] District Record [ ] Linear Feature Record [ ] Milling Station Record [ ] Rock Art Record
[ ] Artifact Record [x] Photograph Record [ ] Other (List) _____

BUILDING, STRUCTURE, AND OBJECT RECORD

Primary No. _____
Trinomial _____
Page 2 **of** 4 **HRI No.** _____

B1. **Property Name:** Motte's Romola Farms Barn

B2. **Address** 28380 Matthews Rd.
City Romoland **County** Riverside **Zip** 92585

B3. **Original Use:** Store **B4.** **Present Use:** Commercial (store)

B5. **Zoning:** Commercial **B6.** **Threats:** None

B7. **Architectural Style:** Barn

B8. **Alterations and Date(s):** None

B9. **Moved?** [x] No [ ] Yes [ ] Unknown Date: _____ Original Location: _____

B10. **Related Features:**
Windmill, water tank and fenced area (former corral).

B11. **Architect:** Unknown **Builder:** Unknown

B12. **Significance:** Period of Significance N/A Property Types N/A Applicable Criteria N/A

(Discuss importance in terms of historical or architectural context as defined by theme, period, and geographic scope. Also address integrity.)
Building constructed to appear historic but was constructed less than 50 years ago and as such should not be considered eligible for the NRHP.

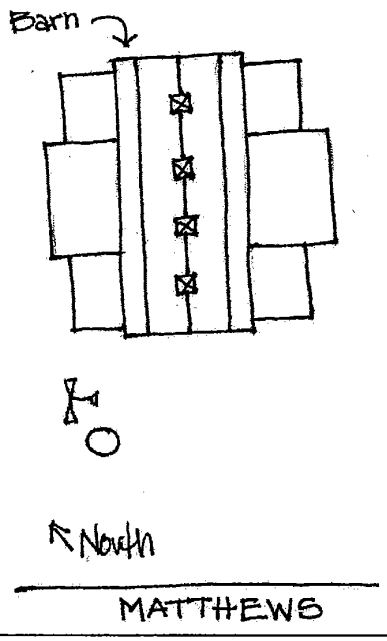
B13. **Evaluator:** KVC & KB

B14. **Date of Evaluation:** 2/11/02

B15. **Sources:**
Riverside County Records
1953 USGS Map
IEEC Project Maps
Property Owner

(This space reserved for official comments)

(Sketch Map with north arrow required)



Van Citters:
Historic Preservation, LLC

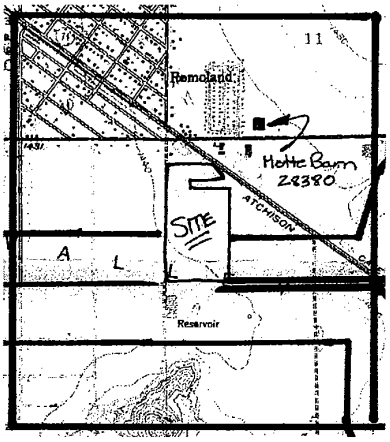
PHOTOGRAPH

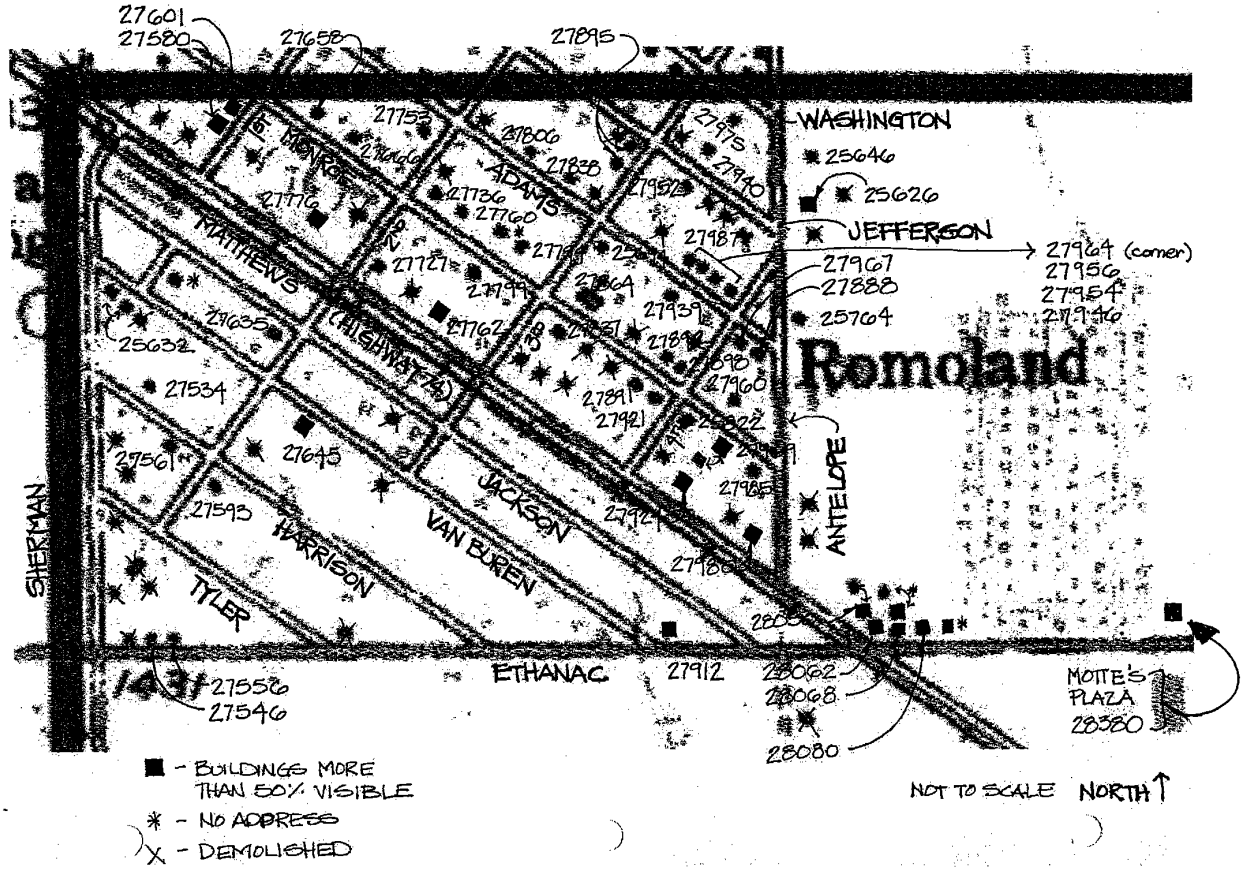
Primary No.:
Trinomial/HRI No.:
Resource Name or #:

23830 Matthews Rd.

LOCATION MAP

Primary No.:
Trinomial/HRI No.:
Page 4 **of** 4 **Resource Name or #:**





LEON E. MOTTE
445 South "D" Street
Second Floor
Perris, CA 92570
909-657-4281
909-657-2604 fax

May 8, 2002

Mr. Aaron Knox
Harley Knox and Associates
24560 Nandina Ave., Suite 7
Moreno Valley, CA 92551

RE: Motte Farms Barn Building
28490 Highway 74 Romoland, CA

Dear Aaron:

Thank you for your request on the age of our "Historic" produce barn on Highway 74. The building was completed in June of 1985 and was constructed from various old warehouse buildings, which were being torn down in Los Angeles, to resemble a turn of the century barn.

I'm sorry to disappoint you, that our barn is somewhat new but we went to a great deal of effort, time, and expense to create the look and feel of our building.

If you have any other questions please feel free to call on me.

Sincerely,

Leon E. Motte

LAND USE ATTACHMENT 1

LAND USE PROPERTY MAPS

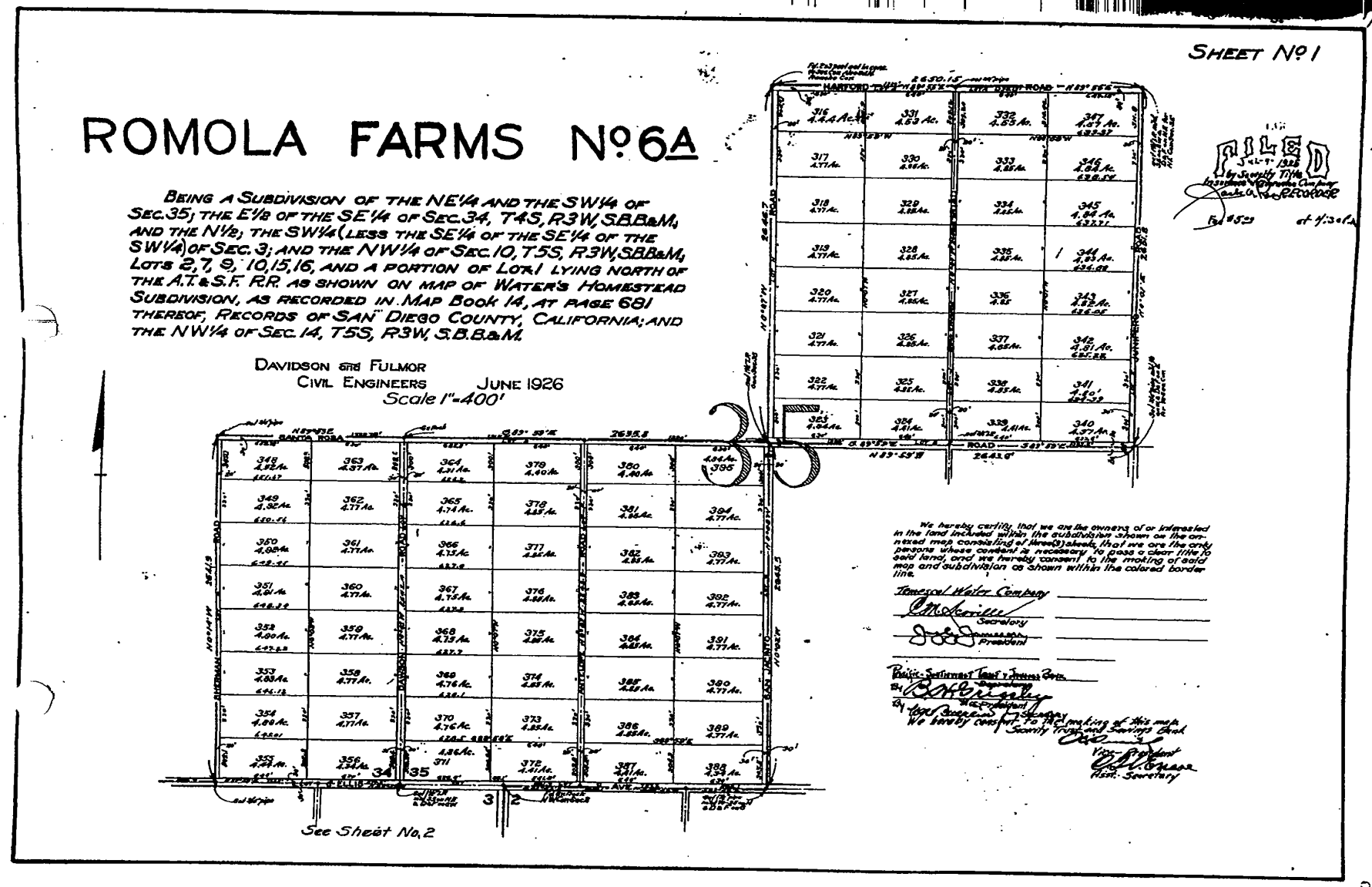

SHEET No 1
ROMOLA FARMS No 6A
BEING A SUBDIVISION OF THE NE¼ AND THE SW¼ OF SEC. 35; THE E½ OF THE SE¼ OF SEC. 34, T4S, R3W, S.B.B.&M, AND THE N½; THE SW¼ (LESS THE SE¼ OF THE SE¼ OF THE SW¼) OF SEC. 3; AND THE NW¼ OF SEC. 10, T5S, R3W, S.B.B.&M, LOTS 2, 7, 9, 10, 15, 16, AND A PORTION OF LOT 1 LYING NORTH OF THE A.T.&S.F. R.R. AS SHOWN ON MAP OF WATER'S HOMESTEAD SUBDIVISION, AS RECORDED IN MAP BOOK 14, AT PAGE 681 THEREOF, RECORDS OF SAN DIEGO COUNTY, CALIFORNIA; AND THE NW¼ OF SEC. 14, T5S, R3W, S.B.B.&M.
DAVIDSON and FULMOR
CIVIL ENGINEERS JUNE 1926
Scale 1"=400'
HARTFORD TRACT
LIME KILN ROAD
FILED
RECORDS
See Sheet No. 2
We hereby certify that we are the owners of or interested in the land included within the subdivision shown on the annexed map consisting of (three) sheets, that we are the only persons whose consent is necessary to pass a clear title to said land, and we hereby consent to the making of said map and subdivision as shown within the colored border line.
Temescal Water Company
Secretary
President
Pacific Southwest Trust & Savings Bank
By
Vice President
By
Asst. Secretary
We hereby consent to the making of this map.
Security Trust and Savings Bank
Vice President
Asst. Secretary

Figure 175-1

LAND USE ATTACHMENT 2

ROMOLAND SCHOOL DISTRICT PRELIMINARY DATA

RUTAN & TUCKER, LLP
Attorneys at Law
611 Anton Boulevard, Suite 1400
P.O. Box 1950
Costa Mesa, CA. 92628-1950
(714) 641-5100
Fax (714) 546-9035

FAX TRANSMITTAL COVER PAGE

DATE: 5/2/02

PLEASE DELIVER TO: Ann L. Trowbridge

FAX NUMBER: (96) 441-4021

CONFIRMATION NUMBER: ( )

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NUMBER OF PAGES: (INCLUDING THIS PAGE) _____

DOCUMENT TITLE: Letter

HARD COPY TO FOLLOW VIA MAIL: YES ✓ NO __

CLIENT/MATTER NUMBER: 02-1360-0001

MESSAGE:

If there are any problems receiving this FAX transmittal please call us at (714) 641-5100 ext. 1235

RUTAN & TUCKER, LLP

ATTORNEYS AT LAW

A PARTNERSHIP INCLUDING PROFESSIONAL CORPORATIONS
611 ANTON BOULEVARD, FOURTEENTH FLOOR
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TELEPHONE 714-641-5100 FACSIMILE 714-546-9035
INTERNET ADDRESS www.rutan.com
Direct Dial (714) 641-3441
E-mail: joderman@rutan.com

May 2, 2002

Ann L. Trowbridge
Downey, Brand, Seymour & Rohwer LLP
555 Capitol Mall, 10th Floor
Sacramento, CA 95814-4686

Re: Docket No. 01-AFC-17: Inland Empire Energy Center, LLC Data Request No. 1

Dear Ms. Trowbridge.

The purpose of this letter is to inform you that the Romoland School District ("District") intends to provide the information requested by the Inland Empire Energy Center, LLC ("Calpine") in Data Request No. 1 ("Data Request"). However, the District will not be able to make available all of the information requested by Calpine by May 4, 2002, as requested. We will make every effort to supply the information as soon as possible and do not anticipate any difficulty providing the requested response by May 22, 2002 pursuant to the 30 day time period specified in Energy Commission ("Commission") regulations.

In light of the tight time-frame in which the Inland Empire Energy Center is being reviewed, the District has enclosed preliminary information on school capacity and location of planned schools in order to enable Calpine and the Commission to initiate review.

If you have any questions regarding the attached documents, please contact me at (714) 641-3441 or Roland Skumawitz, Superintendent of the Romoland School District, at (909) 926-9244.

112/021360-0001
281038.01 a05/02/02

RUTAN & TUCKER, LLP
ATTORNEYS AT LAW

Sincerely,

RUTAN & TUCKER, LLP

Jeffrey M. Oderman

JMO:ml
Attachments
cc: Jim Bartridge, California Energy Commission
Paul Kramer, California Energy Commission
Roland Skumawitz, Romoland School District

Romoland School District
Riverside County
NET CLASSROOM INVENTORY (SB50)

January 11, 1999

		Leased State Relocatable Classrooms		Portable Classrooms Owned by the District		Permanent Classrooms		Total Net CRs @ site	Classroom Capacity K-6 (State Loading Standard 25)	Classroom Capacity 7-8 (State Loading Standard 27)	Total Capacity
		K-6	7-8	K-6	7-8	K-6	7-8				
Romoland Elementary	K-8	2		9	5	13		29	600	135	735
Harvest Valley School	K-8	3		8	3	13	3	30	600	84	684
Totals		5	0	17	8	26	3	59	1200	219	1419

STATE OF CALIFORNIA

ENROLLMENT CERTIFICATION/PROJECTION

SAB 50-01 (Rev. 01/01) Excel (Rev. 01/10/2001)

STATE ALLOCATION BOARD
OFFICE OF PUBLIC SCHOOL CONSTRUCTION

SCHOOL DISTRICT: ROMOLAND ELEMENTARY

FIVE DIGIT DISTRICT CODE NUMBER (see California Public School Directory): 67231

COUNTY: RIVERSIDE

HIGH SCHOOL ATTENDANCE AREA (if applicable):

Part A. Enrollment Data - (districts or county superintendent of schools)

Grade	3rd Previous 1998/99	2nd Previous 1999/2000	Previous 2000/01	Current 2001/02
K	150	143	147	153
1	171	155	148	180
2	132	169	172	170
3	181	139	182	186
4	175	175	147	209
5	144	158	176	163
6	140	136	161	185
7	113	142	143	180
8	122	111	141	160
9				
10				
11				
12				
TOTAL	1,328	1,328	1,417	1,586

Part B. Continuation High School - (districts only)

Grade	3rd Previous	2nd Previous	Previous	Current
9				
10				
11				
12				
TOTAL				

Part C. Special Day Class Pupils - (districts or county superintendent of schools)

Elementary	Non-Severe	Severe	Secondary	Non-Severe	Severe
MR			MR		
HH			HH		
DEAF			DEAF		
HI			HI		
SLI			SLI		
VI			VI		
SED			SED		
OI			OI		
OHI			OHI		
SLD	28		SLD		
DB			DB		
MH			MH		
AUT			AUT		
TBI			TBI		
TOTAL	28		TOTAL		

Part D. Special Day Class Enrollment - (county superintendent of schools only)

3rd Previous	2nd Previous	Previous	Current

Part E. Number of New Dwelling Units 4998

Part F. District Student Yield Factor 0.500

Part G. Five Year Projected Enrollment - School Facility Program Projections - (except special day class pupils only)

K-6	7-8	9-12	TOTAL
2,972	929		3,901

Projections - special day class pupils only

Elementary	Non-Severe	Severe	Secondary	Non-Severe	Severe
MR			MR		
HH			HH		
DEAF			DEAF		
HI			HI		
SLI			SLI		
VI			VI		
SED			SED		
OI			OI		
OHI			OHI		
SLD	32		SLD		
DB			DB		
MH			MH		
AUT			AUT		
TBI			TBI		
TOTAL	32		TOTAL		

Part H.

One Year Projected Enrollment - State Relocatable Program Projections - (except special day class pupils only)

K-6	7-8	9-12	TOTAL
1,290	385		1,675

Projections - (special day class pupils only)
(includes Severe & Non-Severe)

	Elementary	Secondary		Elementary	Secondary
MR			OI		
HH			OHI		
DEAF			SLD	29	
HI			DB		
SLI			MH		
VI			AUT		
SED			TBI		
			TOTAL	29	

I certify, as the District Representative, that the information reported on this form is true and correct and that: I am designated as an authorized district representative by the governing board of the district. If the district is requesting an augmentation in the enrollment projection pursuant to Regulation Section 1859.42 (b), the local planning commission or approval authority has approved the tentative subdivision map used for augmentation of the enrollment and the district has identified dwelling units in that map to be contracted. All subdivision maps used for augmentation of enrollment are available at the district for review by the Office of Public School Construction (OPSC). This form is an exact duplicate (verbatim) of the form provided by the Office of Public School Construction. In the event a conflict should exist, then the language in the OPSC form will prevail.

SIGNATURE OF DISTRICT REPRESENTATIVE

DATE

STATE OF CALIFORNIA

EXISTING SCHOOL BUILDING CAPACITY

SAB 50-02 (Rev. 01/01) Excel (Rev. 01/25/2001)

STATE ALLOCATION BOARD
OFFICE OF PUBLIC SCHOOL CONSTRUCTION

SCHOOL DISTRICT: ROMOLAND ELEMENTARY

FIVE DIGIT DISTRICT CODE NUMBER (see California Public School Directory): 67231

COUNTY: RIVERSIDE

HIGH SCHOOL ATTENDANCE AREA (if applicable):

PART I - Classroom Inventory ○ NEW ○ ADJUSTED

	K-6	7-8	9-12	Non-Severe	Severe	Total
Line 1. Leased State Relocatable Classrooms	5					5
Line 2. Portable Classrooms leased less than 5 years						
Line 3. Interim Housing Portables leased less than 5 years						
Line 4. Interim Housing Portables leased at least 5 years						
Line 5. Portable Classrooms leased at least 5 years						
Line 6. Portable Classrooms owned by district	17	8		3		28
Line 7. Permanent Classrooms	23	3				26
Line 8. Total (Lines 1 through 7)	45	11		3		59

PART II - Available Classrooms

Option A	K-6	7-8	9-12	Non-Severe	Severe	Total
a. Part I, line 4						
b. Part I, line 5						
c. Part I, line 6	17	8		3		28
d. Part I, line 7	23	3				26
e. Total (a, b, c, & d)	40	11		3		54

Option B	K-6	7-8	9-12	Non-Severe	Severe	Total
a. Part I, line 8	45	11		3		59
b. Part I, lines 1,2,5 and 6 (total only)						33
c. 25 percent of Part I, line 7 (total only)						7
d. Subtract c from b (enter 0 if negative)	18	8		2		26
e. Total (a minus d)	27	6		1		33

PART III - Determination of Existing School Building Capacity

	K-6	7-8	9-12	Non-Severe	Severe
Line 1. Classroom capacity	675	135		13	
Line 2. SER adjustment	34	7		1	
Line 3. Operational Grants					
Line 4. Greater of line 2 or 3	34	7		1	
Line 5. Total of lines 1 and 4	709	142		14	

I certify, as the District Representative, that the information reported on this form is true and correct and that.
I am designated as an authorized district representative by the governing board of the district; and,
This form is an exact duplicate (verbatim) of the form provided by the Office of Public School Construction (OPSC).
In the event a conflict should exist, then the language in the OPSC form will prevail.

SIGNATURE OF DISTRICT REPRESENTATIVE

DATE

STATE OF CALIFORNIA

ELIGIBILITY DETERMINATION

SAB 50-03 (Rev. 01/01) Excel (Rev. 02/27/2001)

STATE ALLOCATION BOARD
OFFICE OF PUBLIC SCHOOL CONSTRUCTION

SCHOOL DISTRICT	FIVE DIGIT DISTRICT CODE NUMBER (see California Public School Directory)
ROMOLAND ELEMENTARY	67231
BUSINESS ADDRESS: 2500 Leon Road	HIGH SCHOOL ATTENDANCE AREA (if applicable)
CITY: Homeland, CA 92548	COUNTY: RIVERSIDE

Part I - The following individual(s) have been designated as district representative(s) by school board minutes.

DISTRICT REPRESENTATIVE	TELEPHONE NUMBER	E-MAIL ADDRESS
Roland Skumawitz	909/926-9244	skoom@romoland.k12.ca.us
DISTRICT REPRESENTATIVE	TELEPHONE NUMBER	E-MAIL ADDRESS
Bobbie Foote	909/926-9244	bobbie@romoland.k12.ca.us

Part II - New Construction Eligibility ☐ NEW ☒ ADJUSTED

	K-6	7-8	9-12	Non-Severe	Severe
1 Projected Enrollment (Part G, Form SAB 50-01)	2,972	929		32	
2. Existing School Building Capacity (Part III, line 5 of Form SAB 50-02)	709	142		14	
3 New Construction Baseline Eligibility (line 1 minus line 2)	2,263	787		18	

Part III - Modernization Eligibility ☐ NEW ☐ ADJUSTED

1. SCHOOL NAME

Option A	K-6	7-8	9-12	Non-Severe	Severe
2 Permanent classrooms at least 25 years old					
3 Portable classrooms at least 20 years old					
4 Total (lines 2 and 3)					
5 Multiply line 4 by: 25 for K-6, 27 for 7-8 and 9-12; 13 for non-severe and 9 for severe					
6. CBEDS enrollment at school					
7. Modernization eligibility (lesser of the totals of line 5 or 6)					

Option B		
2. Permanent space at least 25 years old (report by classroom or square footage)		
3. Portable space at least 20 years old (report by classroom or square footage)		
4 Total (lines 2 and 3)		
5 Remaining permanent and portable space (report by classroom or square footage)		
6. Total (lines 4 and 5)		
7 Percentage (divide line 4 by line 6)		0%

	K-6	7-8	9-12	Non-Severe	Severe
8 CBEDS enrollment at school site					
9. Modernization eligibility (multiply line 7 by each grade group on line 8)					

I certify, as the District Representative, that the information reported on this form is true and correct and that I am designated as an authorized district representative by the governing board of the district; and A resolution or other appropriate documentation supporting this application under Chapter 12.5, Part 10, Division 1, commencing with Section 17070.10, et seq., of the Education Code was adopted by the School District's Governing Board on _____, and, This form is an exact duplicate (verbatim) of the form provided by the Office of Public School Construction (OPSC). In the event a conflict should exist, then the language in the OPSC form will prevail

SIGNATURE OF DISTRICT REPRESENTATIVE	DATE

EXISTING AND FUTURE SCHOOL SITES - PLANNING AND FEASIBILITY ANALYSES
ROMOLAND SCHOOL DISTRICT
NEW RESIDENTIAL DEVELOPMENT UNDER CONSTRUCTION
PROPOSED RESIDENTIAL DEVELOPMENT
PROPOSED LOCATION FOR THE IEEC PROJECT
POTENTIAL AREAS UNDER CONSIDERATION FOR NEW SCHOOL ("SCHOOL #3")
EXISTING ROMOLAND SCHOOL DISTRICT FACILITIES
"ASHBY SCHOOL SITE" - NOT APPROVED BY THE CDE
AREAS UNAVAILABLE FOR SITING NEW SCHOOL FACILITIES
PROXIMITY OF PROMINENT LOCATIONS TO THE IEEC
ROMOLAND SCHOOL - 1,100' - 1900'
"ASHBY SCHOOL SITE" - 800'
HARVEST VALLEY SCHOOL - 2.5 miles
DISTRICT ADMINISTRATION CENTER - 3.8 miles
HOMELAND AREA OF THE SCHOOL DISTRICT - 3.8 miles
INTERSTATE 215
HWY. 74
MAPES ROAD
EXISTING 10 AC HARVEST VALLEY K-8 SCHOOL
EXISTING DISTRICT ADMIN. CENTER
EXISTING RAIL LINE
EXIST 11 AC ROMOLAND K-8 SCHOOL
IEEC
PINACATE
ANTELOPE ROAD
ELLIS ROAD
SAN JACINTO AVENUE
MENIFEE ROAD
ETHANAC ROAD
SCOTT ROAD
NORTH